

### **SAFETY DATA SHEET (SDS)**

according to Regulation (EC) No. 830/2015 amending 1907/2006

Sectio	on 1: Identification of the substance/mixture and	of the company/undertaking	
1.1	Product identifier:	Antigen Coating Buffer, 5X	
1.1a	Other means of identification:		
1.1b	Alternative product name(s)/ synonyms:	Antigen Coating Buffer; 5X Antigen Coating Buffer; CB2	
1.1c	Product number/Catalog #(s):	5136, 6247, 6248, 6249, 6250	
1.1d	Internal identification:	Antigen Coating Buffer; 5X Antigen Coating Buffer; Ag Coating Buffer; CB2	
1.2	Relevant identified uses of the substance or mixture and uses advised against:	For research use only. Not for use in diagnostic procedures.	
1.2a	Brief description of what the substance or mixture i intended to do:	A buffered solution designed to maximize adsorption of antigens onto ELISA plates.	
1.3	Details of the supplier of the SDS:		
1.3a	Name:	ImmunoChemistry Technologies, LLC (ICT)	
1.3b	Address:	9401 James Avenue South, Suite 155	
1.3c	City, State, Zip, Country	Bloomington, MN 55431-2500 USA	
1.3d	Phone number:	1-800-829-3194 and 952-888-8788	
1.3e	Fax number:	952-888-8988	
1.3f	Website:	www.immunochemistry.com	
1.3g	Email:	help@immunochemistry.com	
1.3h	Contact person at ICT:	Quality Documentation Department	
1.4	Emergency telephone number:	ICT: 1-800-829-3194 (USA & Canada) or 952-888-8788 world wide; ICT hours are 9 am-5 pm central time USA, Monday through Friday (excluding holidays). Chemtrec 24-hour access within USA and Canada: 1-800-424-9300 or +1 703-527-3887. Collect calls accepted.	
	n 2: Hazards identification		
2.1	Classification of the substance or mixture:		
2.1a 2.1b	Product is a:  Classification according to (EC) No. 1272/2008  {CLP}:	Mixture.  Does not meet the criteria for classification.	
2.1c	The most important adverse physiochemical, huma health, and environmental effects:	Prolonged skin contact may cause redness and irritation. Refer to Sections 4, 9-12.	
2.2	Label elements:	None.	
2.2a	GHS label elements, including precautionary statements:	None.	
2.2b	Contains:	Not applicable.	
2.2c	Labeling in accordance with (EC) No. 1272/2008:	None.	
2.2d	Hazard Pictograms (Hazard Symbols):	None.	
2.2e	Signal word:	None.	
2.2f	Hazard statements:	None.	
2.2g	Precautionary statements:	None.	
2.2h	Supplementary precaution statements:	None.	
2.3	Other hazards:	No additional information available.	
2.3a	Does the chemical meet the criteria for PBT or vPv		
2.3b	Other hazards which do not result in classification:	Contains ≤0.5% Sodium Azide (CAS #26628-22-8; EC #247-852-1) which is below the threshold for hazard classification. Contains sodium chloride and phosphates which are below the threshold for hazard classification, but may cause redness and irritation after prolonged exposure.	
Sectio	on 3: Composition/information on ingredients		
3.1	Substance:	Item is a mixture therefore Section 3.1 is not applicable; see Section 3.2.	
3.2	Mixture: The chemical identity and concentration or concentration ranges of all ingredients which are hazardous and are present above their cut-off leve	Item is a mixture.	
	3.2a Chemical identity:	No ingredients identified for reporting in this section.	
	3.2b Common name, synonyms, etc.:		
	3.2c CAS number and other unique identifiers: 3.2d EC number:	3.2e % Concentration: 3.2f Classification according to (EC) No. 1272/2008 {CLP}:	

Antigen Coating Buffer, 5X SDS; Doc# F17-5136-2-D; Effective: 05/26/2017; Supersedes: F17-5136-2-C; Page 2 of 6

Section	on 4: First aid measures	
4.1	Description of first aid measures:	If concerned, get medical attention/advice and provide physician with
		SDS information. Wash contaminated clothing before re-use. Never
		give anything to an unconscious person.
4.1a	Inhalation:	Remove to fresh air and keep at rest in a comfortable position for
		breathing. If not breathing, give artificial respiration. Rinse nose and
		mouth with water. Get medical attention if any discomfort continues.
4.1b	Skin contact:	Wash skin thoroughly with soap and water for several minutes;
		continue to rinse for at least 15 minutes. Remove any contaminated
		clothing and shoes and wash thoroughly before reuse. Get medical
		attention if any discomfort continues.
4.1c	Eye contact:	Promptly wash eyes with plenty of water while lifting the eyelids. Make
		sure to remove any contact lenses from the eyes before rinsing.
		Continue to rinse for at least 15 minutes. Get medical attention if any
4.1d	Ingostion	discomfort continues.  NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK
4.10	Ingestion:	
		FLUIDS! Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical
		attention if any discomfort continues.
4.2	Most important symptoms and effects, both acute	Refer to Sections 2 and 11 for most important known symptoms and
7.2	and delayed:	effects.
4.2a	Inhalation:	May cause coughing or mild irritation.
4.2b	Skin contact:	Prolonged skin contact may cause redness and mild irritation.
4.2c	Eye contact:	May cause temporary eye irritation.
4.2d	Ingestion:	May cause discomfort if swallowed.
4.3	Indication of any immediate medical attention and	No specific first aid measures noted, but first aid may still be required
	special treatment needed:	in case of accidental exposure, inhalation, or ingestion of this product.
		If in doubt, get medical attention promptly!
4.3a	Notes to physician/first responder:	Treat symptomatically. Refer to Sections 5-8 for advice on personal
	·	protective equipment.
	n 5: Firefighting measures	
5.1	Extinguishing media:	This product is not flammable. Use fire-extinguishing media
		appropriate for the surrounding materials.
5.1a	Suitable extinguishing media:	Water spray, foam, dry powder, or carbon dioxide.
5.1b	Unsuitable extinguishing media:	None known.
5.2	Special hazards arising from the substance or	This product is not flammable. Product is not explosive. No dangerous
	mixture:	reactions known under normal conditions of use.
5.2a	Hazardous combustion products:	None under normal conditions.
5.2b 5.2c	Unusual fire & explosion hazards:	No unusual fire or explosion hazards noted.
5.20	Protective measures in fire:  Advice for firefighters:	Use protective equipment appropriate for surrounding materials.
5.5	Advice for firefighters.	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
5.3a	Special firefighting procedures:	No specific firefighting procedure given.
5.3b	Special protective equipment and precautions for	Wear full protective clothing, including self-contained breathing
5.30	firefighters:	apparatus, if necessary. The product presents no special fire hazards
	menginers.	in normal use. Keep away from heat, hot surfaces, sparks, open
		flames and other ignition sources. No smoking.
Section	on 6: Accidental release measures	
Section 6.1	on 6: Accidental release measures Personal precautions, protective equipment, and	
		flames and other ignition sources. No smoking.
	Personal precautions, protective equipment, and	flames and other ignition sources. No smoking.
6.1	Personal precautions, protective equipment, and emergency procedures:	flames and other ignition sources. No smoking.  Use protective equipment appropriate for surrounding materials.
6.1	Personal precautions, protective equipment, and emergency procedures:	flames and other ignition sources. No smoking.  Use protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good
<b>6.1</b> 6.1a	Personal precautions, protective equipment, and emergency procedures:  General release measures:	Use protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).
6.1	Personal precautions, protective equipment, and emergency procedures:  General release measures:  Advice for non-emergency personnel; personal	Itse protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).  No specific emergency measures are required other than good
<b>6.1</b> 6.1a	Personal precautions, protective equipment, and emergency procedures:  General release measures:  Advice for non-emergency personnel; personal precautions, protective equipment and emergency	Use protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).  No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective
<b>6.1</b> 6.1a	Personal precautions, protective equipment, and emergency procedures:  General release measures:  Advice for non-emergency personnel; personal	Use protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).  No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes,
<b>6.1</b> 6.1a	Personal precautions, protective equipment, and emergency procedures:  General release measures:  Advice for non-emergency personnel; personal precautions, protective equipment and emergency	Use protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).  No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case
<b>6.1</b> 6.1a	Personal precautions, protective equipment, and emergency procedures:  General release measures:  Advice for non-emergency personnel; personal precautions, protective equipment and emergency	Use protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).  No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition.
<b>6.1</b> 6.1a	Personal precautions, protective equipment, and emergency procedures:  General release measures:  Advice for non-emergency personnel; personal precautions, protective equipment and emergency	Use protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).  No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing
<b>6.1</b> 6.1a	Personal precautions, protective equipment, and emergency procedures:  General release measures:  Advice for non-emergency personnel; personal precautions, protective equipment and emergency	Use protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).  No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable
<b>6.1</b> 6.1a	Personal precautions, protective equipment, and emergency procedures:  General release measures:  Advice for non-emergency personnel; personal precautions, protective equipment and emergency	Use protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).  No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any
<b>6.1</b> 6.1a	Personal precautions, protective equipment, and emergency procedures:  General release measures:  Advice for non-emergency personnel; personal precautions, protective equipment and emergency	Use protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).  No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if
6.1a 6.1b	Personal precautions, protective equipment, and emergency procedures:  General release measures:  Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures:	Use protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).  No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.
<b>6.1</b> 6.1a	Personal precautions, protective equipment, and emergency procedures:  General release measures:  Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures:  Advice for emergency responders; personal	Use protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).  No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.  Wear suitable protective clothing, gloves and eye or face protection to
6.1a 6.1b	Personal precautions, protective equipment, and emergency procedures:  General release measures:  Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures:  Advice for emergency responders; personal precautions, protective equipment and emergency	Use protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).  No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.  Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of
6.1a 6.1b	Personal precautions, protective equipment, and emergency procedures:  General release measures:  Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures:  Advice for emergency responders; personal	Use protective equipment appropriate for surrounding materials.  No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).  No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.  Wear suitable protective clothing, gloves and eye or face protection to

Antigen Coating Buffer, 5X SDS; Doc# F17-5136-2-D; Effective: 05/26/2017; Supersedes: F17-5136-2-C; Page 3 of 6 6.3 Methods and materials for containment and Contain any spills with dikes or absorbent materials to prevent clean up: migration and entry into sewers or water sources. Place in a suitable container for disposal in accordance with local waste regulations (see Section 13). Wash spill area thoroughly with plenty of soap and water. Avoid contact with skin or inhalation of spillage, dust, or vapor. 6.4 Reference to other sections: Refer to Sections 8 and 13 for additional information. Section 7: Handling and storage 7.1 Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Avoid creation of aerosol/mist/dust. Avoid inhalation of vapors/mist/dust. Prevent contact with skin and eyes. Use appropriate personal protection equipment (PPE). Thoroughly wash hands and contaminated areas with water and soap before leaving the work site. Keep away from sources of ignition. 7.1a Prevent handling of incompatible substances or Avoid contact with strong acids and strong oxidizers. mixtures: 7.1b Do not eat, drink, or smoke in work areas. Wash hands after use. Advice on general occupational hygiene: Remove contaminated clothing and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.2 Conditions for safe storage, including any Store in cool place. Keep container tightly closed in a dry and wellincompatibilities: ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. Section 8: Exposure controls/personal protection 8.1 **Control parameters:** 8.1a Occupational exposure limits, such as chemical The liquid mixture is not in respirable form. No data available. identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limit), etc.: WEL = Workplace Exposure Limit. Sk = can be absorbed through skin. 8.1b Appropriate engineering controls: 8.1c Individual protection measures, such as personal Wear gloves, protective goggles, and lab coat. protective equipment: 8.1d Safety symbols: 8.2 **Exposure controls:** 8.2a Process conditions: Provide eyewash station. 8.2b Engineering controls: Ensure that eyewash stations and safety showers are proximal to the workstation location. Provide adequate ventilation. 8.2c Ventilation controls: 8.2d Reference to other sections: Refer to Section 5 for additional information. Wear approved chemical safety goggles where eye exposure is 8.2e Eye/face protection: reasonably probable or face shield if risk of splashing. 8.2f Skin protection: Wear apron or protective clothing in case of contact. Use suitable protective gloves if risk of skin contact. 8.2g Hand protection: Where risk assessment shows air-purifying respirators are appropriate 8.2h Respiratory equipment: use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Wear appropriate clothing to avoid skin contact. 8.2i Other protection: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift 8.2j Hygiene measures: and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated 8.2k Thermal hazards: None known under normal conditions of use. 8.21 Environmental exposure controls: Not determined. Section 9: Physical and chemical properties 9.1 Information on basic physical and chemical properties:

Antigen Coating Buffer, 5X SDS; Doc# F17-5136-2-D; Effective: 05/26/2017; Supersedes: F17-5136-2-C; Page 4 of 6

9.1j 9.1k	Upper/lower flammability or explosive limits:  Vapor pressure:	Not applicable.  Not determined.
9.11	Vapor density (Air =1):	Not determined.
9.1m	Relative density:	Not determined.
9.1n	Solubility(ies):	Soluble in water.
9.10	Partition coefficient (N-octanol/water):	Not determined.
9.1p 9.1q	Auto-ignition temperature (°C):  Decomposition temperature (°C):	Not determined.  Not determined.
9.1q 9.1r	Viscosity:	Not determined.
9.1s	Explosive properties:	Not determined.
9.1t	Oxidizing properties:	Not determined.
9.2	Other information:	None.
9.2a	Other physical or chemical parameters:	None.
	40.0011111	
	10: Stability and reactivity	
10.1	Reactivity:	No data available.
10.2 10.3	Chemical stability: Possibility of hazardous reactions:	Stable under normal temperature conditions.  Hazardous polymerization: will not polymerize.
10.4	Conditions to avoid:	To avoid product degradation, avoid exposure to high temperatures or
	Conditions to avoid.	direct sunlight or light.
10.5	Incompatible materials:	Hydrocarbons – halogenated. Strong acids. Metals.
10.6	Hazardous decomposition products:	None under normal conditions.
	11: Toxicological information	
	Information on toxicological effects:	
11.1		All the Proceedings of the Control o
<b>11.1</b> 11.1a	Name:	No ingredients identified for reporting in this section.
<b>11.1</b> 11.1a 11.1b	Name: Acute toxicity:	Not determined.
11.1 11.1a 11.1b 11.1c	Name: Acute toxicity: Skin corrosion/irritation:	Not determined. Not determined.
11.1 11.1a 11.1b 11.1c 11.1d	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation:	Not determined. Not determined. Not determined.
11.1 11.1a 11.1b 11.1c	Name: Acute toxicity: Skin corrosion/irritation:	Not determined. Not determined.
11.1a 11.1b 11.1c 11.1d 11.1e	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity:	Not determined. Not determined. Not determined. Not determined.
11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity:	Not determined.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure:	Not determined.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure:	Not determined.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1j 11.1k	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard:	Not determined.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1i 11.1i	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Not determined.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1j 11.1k 11.1l	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion:	Not determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust. May cause discomfort if swallowed.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1i 11.1i	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Not determined. In determined. May cause discomfort if swallowed. In high concentrations, vapors may irritate throat and respiratory
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation:	Not determined. In determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed. In high concentrations, vapors may irritate throat and respiratory system and cause coughing.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l 11.1n 11.1n	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation:	Not determined. In determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Liquid may irritate skin.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and	Not determined. In determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed. In high concentrations, vapors may irritate throat and respiratory system and cause coughing.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l 11.1n 11.1n 11.1n	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic	Not determined. In determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Liquid may irritate skin. Spray and vapor in the eyes may cause irritation and smarting.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l 11.1m 11.1n 11.1n	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute	Not determined. In the determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Liquid may irritate skin. Spray and vapor in the eyes may cause irritation and smarting. No specific symptoms noted.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates):	Not determined. In thigh concentrations, vapors may irritate throat and respiratory system and cause coughing. Liquid may irritate skin. Spray and vapor in the eyes may cause irritation and smarting. Not determined.  Not determined.  Not determined.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l 11.1m 11.1n 11.1n 11.1n	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute	Not determined. In this cause discomfort if swallowed. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Liquid may irritate skin. Spray and vapor in the eyes may cause irritation and smarting. No specific symptoms noted.  Not determined.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures:	Not determined. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Liquid may irritate skin. Spray and vapor in the eyes may cause irritation and smarting. No specific symptoms noted.  Not determined.  Not determined.  Not determined.  Not determined.  Not determined.  Not applicable. Item is a mixture.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1u 11.1v 11.1s	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures: Mixture vs. substance information:	Not determined. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Liquid may irritate skin. Spray and vapor in the eyes may cause irritation and smarting. Not determined. See Section 3 for any substances in the mixture.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1u 11.1t	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures: Mixture vs. substance information: Classification by National Toxicity Program (NTP):	Not determined. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Liquid may irritate skin. Spray and vapor in the eyes may cause irritation and smarting. No specific symptoms noted.  Not determined.  Not determined.  Not determined.  Not determined.  Not applicable. Item is a mixture. See Section 3 for any substances in the mixture. Not classified.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1u 11.1v 11.1s	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures: Mixture vs. substance information:	Not determined. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Liquid may irritate skin. Spray and vapor in the eyes may cause irritation and smarting. Not determined. See Section 3 for any substances in the mixture.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1u 11.1t	Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures: Mixture vs. substance information: Classification by National Toxicity Program (NTP): Classification by International Agency for Research	Not determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Liquid may irritate skin. Spray and vapor in the eyes may cause irritation and smarting. No specific symptoms noted.  Not determined.  Not determined.  Not determined. See Section 3 for any substances in the mixture. See Section 3 for any substances in the mixture. Not classified.

	Antigen Coating Buffer, 5X SDS; Doc# F17-5136-2-D;	Effective: 05/26/2017; Supersedes: F17-5136-2-C; Page 5 of 6
12.1a	Name:	No ingredients identified for reporting in this section
12.1b	Ecotoxicity (aquatic and terrestrial, where available):	There are no data on ecotoxicity of this product.
12.2	Persistence and degradability:	There are no data on the degradability of this product.
12.3	Bioaccumulative potential:	No data available on bioaccumulation.
12.4	Mobility in soil:	Mobility in soil is unknown (the product is soluble in water).
12.5	Results of PBT and vPvB assessment:	Not determined.
12.6	Other adverse effects:	The product contains a substance which is harmful to aquatic
		organisms. However, at the concentrations present this product does
		not need to be classified as hazardous for the environment and the
		effects are not expected to be significant.
Castian	- 42. Dispessal considerations	
	n 13: Disposal considerations	Miles a basedia acceptance and describe a should be seen do to the section.
13.1	Waste treatment methods:	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
13.1a	Description of waste residues and information on	Dispose of waste and residues in accordance with local authority
13.14	their safe handling and methods of disposal,	requirements. For the safety of persons conducting disposal, recycling
	including the disposal of any contaminated	or reclamation activities, please refer to the information in Section 8
	packaging:	(exposure controls and personal protection) of the SDS.
	puokaging.	(exposure controls and percental protection) of the ebe.
Section	n 14: Transport information	
14.1	UN number:	Not applicable.
14.2	UN proper shipping name:	Not applicable.
14.3	Transport hazard class(es):	Not applicable.
14.4	Packing group:	Not applicable.
14.5	Environmental hazards:	
14.5a	Is it environmentally dangerous according to UN	No.
	Model Regulations (IMDG Code, ADR, RID, and	
	ADN)?:	
14.5b	Is it a marine pollutant according to the IMDG	No.
	code?:	
14.6	Special precautions for user:	None known.
14.7	Transport in bulk according to Annex II of	Not applicable.
	MARPOL and the IBC code:	
14.7a	Other information:	The product is not considered a dangerous good for transport.
14.7b	Classification for other modes of transport:	Contact supplier.
	n 15: Regulatory information	
15.1	Safety, health and environmental	
	regulations/legislation specific for the substance	
15.15	or mixture:  Regional safety, health and environmental	
15.1a		•
15 1h	regulations specific for the product in question:	Sodium azida (CAS # 26629 22 9) ia liatad undar 202 204 212
15.1b	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know:	Sodium azide (CAS # 26628-22-8) is listed under 302, 304, 313.  Sodium azide (CAS # 26628-22-8) is listed.
15.1c 15.1d		
15.1d 15.1e	USA Pennsylvania Right to Know: USA New Jersey Right to Know:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.
15.1e	USA California Prop. 65 Components:	Not listed.
15.11 15.1g	EU Regulation 1907/2006 {REACH}:	I VOL HOLGU.
15.1g 15.1h	Annex XIV substances subject to authorization:	Not listed.
15.11i	Substances of very high concern:	Not listed.
15.11 15.1j	Approved code of practice:	Classification and labeling of substances and preparations dangerous
13.1]	Approved code of practice.	for supply. Safety data sheets for substances and preparations.
15.1k	Guidance notes:	Workplace exposure limits EH40.
15.1k	EU legislation references:	(EC) No. 1272/2008 on the classification, labelling and packaging of
13.11	Lo legislation references.	substances and mixtures (CLP Regulation). EC 830/2015. Regulation
		(EC) No 1907/2006 of the European Parliament and of the Council of
		18 December 2006 concerning the Registration, Evaluation,
	T. Control of the Con	
		Authorisation and Restriction of Chemicals (REACH) establishing a
		Authorisation and Restriction of Chemicals (REACH), establishing a
		European Chemicals Agency, amending Directive 1999/45/EC and
		European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission
		European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC
		European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and
15.2	Chemical safety assessment:	European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
<b>15.2</b> 15.2a	Chemical safety assessment: Other regulatory information:	European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.  Not required.
<b>15.2</b> 15.2a	Chemical safety assessment: Other regulatory information:	European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
15.2a		European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.  Not required.
15.2a	Other regulatory information:	European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.  Not required.
15.2a Section	Other regulatory information: n 16: Other information	European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.  Not required.
15.2a Section 16.1	Other regulatory information:  n 16: Other information Other information:	European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.  Not required.  None.
15.2a  Section 16.1 16.1a	Other regulatory information:  n 16: Other information Other information: Date of revision:	European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.  Not required.  None.  26-May-2017

#### Antigen Coating Buffer, 5X SDS; Doc# F17-5136-2-D; Effective: 05/26/2017; Supersedes: F17-5136-2-C; Page 6 of 6 Changes made to the previous version of the SDS: Reviewed and updated document control numbers. 16.1d 16.1e Key/legend to abbreviations and acronyms used in ACGIH American Conference of Governmental Industrial Hygienists. the SDS: ADN European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway. ADR The European Agreement concerning the International Carriage of Dangerous Goods by Road. ATE Acute Toxicity Estimate. BCF Bio Concentration Factor. CAS Chemical Abstracts Service. CLP Classification, Labelling and Packaging. CMR Carcinogen, Mutagen or Reproductive toxicant. COD Chemical Oxygen Demand. EC European Commission. EC50 Half maximal effective concentration. EH40 Resource containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations. EINECS European Inventory of Existing Commercial chemical Substances. ELINCS European List of Notified Chemical Substances. EU European Union. GHS Globally Harmonized System of Classification and Labelling of Chemicals. H Statement GHS Hazard statement. IATA International Air Transport Association. IBC Intermediate Bulk Container. IC50 Half maximal inhibitory concentration. IMDG International Maritime Dangerous Goods. LC50 Median lethal concentration. LD50 Median lethal dose. LogPow logarithm of the octanol/water partition coefficient. MARPOL 73/78 International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. OEL Occupational Exposure Limit. OSHA Occupational Safety and Health Administration (USA). PBT Persistent, Bioaccumulative, and Toxic. PEL Permissible Exposure Limit. RID The Regulations concerning the International Carriage of Dangerous Goods by Rail. SADT Self-Accelerating Decomposition Temperature. SARA Superfund Amendments and Reauthorization Act. SCBA Self-Contained Breathing Apparatus. SDS Safety Data Sheet. STOT Specific Target Organ Toxicity. STOT-RE Specific Target Organ Toxicity - Repeated Exposure.

16.1f Full text of hazard statements and/or precautionary statements not written out in full elsewhere:

All statements were written out in full.

vPvB very Persistent very bioaccumulative.

USA United States of America.

STOT-SE Specific Target Organ Toxicity - Single Exposure.

DISCLAIMER:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

UN United Nations.

**END OF SDS** 



### **SAFETY DATA SHEET (SDS)**

according to Regulation (EC) No. 830/2015 amending 1907/2006

1.1	on 1: Identification of the substance/mixture and Product identifier:	General Block	
1.1a	Other means of identification:	General Block	
1.1b	Alternative product name(s)/ synonyms	Blocker; BB1	
1.1c 1.1d	Product number/Catalog #(s): Internal identification:	517, 632, 633, 640, 659 BB1	
1.2	Relevant identified uses of the substance or mixture and uses advised against:	For research use only. Not for use in diagnostic procedures.	
1.2a	Brief description of what the substance or mixture intended to do:	is A blocking buffer designed to reduce interference and nonspecific background signal in ELISAs.	
1.3	Details of the supplier of the SDS:		
1.3a	Name:	ImmunoChemistry Technologies, LLC (ICT)	
1.3b	Address:	9401 James Avenue South, Suite 155	
1.3c	City, State, Zip, Country	Bloomington, MN 55431-2500 USA	
1.3d	Phone number:	1-800-829-3194 and 952-888-8788	
1.3e	Fax number:	952-888-8988	
1.3f	Website:	www.immunochemistry.com	
1.3g	Email:	help@immunochemistry.com	
1.3h	Contact person at ICT:	Quality Documentation Department	
1.4	Emergency telephone number:	ICT: 1-800-829-3194 (USA & Canada) or 952-888-8788 world wide	
		ICT hours are 9 am-5 pm central time USA, Monday through Friday (excluding holidays). Chemtrec 24-hour access within USA and Canada: 1-800-424-9300 or +1 703-527-3887. Collect calls accepted	
		Odridad. 1 000 424 0000 01 11 700 027 0007. Collect calls decept	
Sectio	on 2: Hazards identification		
2.1	Classification of the substance or mixture:		
2.1a	Product is a:	Mixture.	
2.1b	Classification according to (EC) No. 1272/2008 {CLP}:	Does not meet the criteria for classification.	
2.1c	The most important adverse physiochemical, hum health, and environmental effects:	Prolonged skin contact may cause redness and irritation. Refer to Sections 4, 9-12.	
2.2	Label elements:	None.	
2.2a	GHS label elements, including precautionary statements:	None.	
2.2b	Contains:	Not applicable.	
2.2c	Labeling in accordance with (EC) No. 1272/2008:	None.	
2.2d	Hazard Pictograms (Hazard Symbols):	None.	
2.2e	Signal word:	None.	
2.2f	Hazard statements:	None.	
2.2g	Precautionary statements:	None.	
2.2h	Supplementary precaution statements:	None.	
2.3	Other hazards:	No additional information available.	
2.3a	Does the chemical meet the criteria for PBT or vP	VB? Not applicable.	
2.3b	Other hazards which do not result in classification	Contains ≤ 0.1% Sodium Azide (CAS #26628-22-8; EC #247-852-1 which is below the threshold for hazard classification. Contains sod chloride and phosphates which are below the threshold for hazard classification, but may cause redness and irritation after prolonged exposure.	
	on 3: Composition/information on ingredients		
3.1	Substance:	Item is a mixture therefore Section 3.1 is not applicable; see Sectio 3.2.	
3.2	Mixture:	Item is a mixture.	
	The chemical identity and concentration or concentration ranges of all ingredients which are		
	hazardous and are present above their cut-off level.  3.2a Chemical identity:	els: Sucrose	
	3.2b Common name, synonyms, etc.:	Molecular formula of sucrose is C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	
	L J.ZD CUITITION NAME: SYMUTIVITS, ELC	MOJECUIAL TOTTIUIA OF SUCTOSE IS C12F122C11	
		2.20 % 2.2f Classification according to (EC) No.	
	3.2c CAS number and other unique identifiers: 3.2d EC number:	3.2e % 3.2f Classification according to (EC) No. Concentration: 1272/2008 {CLP}:	

General Block SDS; Doc# F17-517-2-E; Effective: 05/26/2017; Supersedes: F17-517-2-D; Page 2 of 6

Section	n 4: First aid measures	
4.1	Description of first aid measures:	If concerned, get medical attention/advice and provide physician with
4.1	Description of first aid measures.	SDS information. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
4.1a	Inhalation:	Remove to fresh air and keep at rest in a comfortable position for
4.1a	illiaatoli.	breathing. If not breathing, give artificial respiration. Rinse nose and
4.46	Clair soutost	mouth with water. Get medical attention if any discomfort continues.
4.1b	Skin contact:	Wash skin thoroughly with soap and water for several minutes;
		continue to rinse for at least 15 minutes. Remove any contaminated
		clothing and shoes and wash thoroughly before reuse. Get medical
		attention if any discomfort continues.
4.1c	Eye contact:	Promptly wash eyes with plenty of water while lifting the eyelids. Make
	,	sure to remove any contact lenses from the eyes before rinsing.  Continue to rinse for at least 15 minutes. Get medical attention if any
		discomfort continues.
4.1d	Ingestion:	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK
1.14	ingoodon.	FLUIDS! Rinse mouth thoroughly. Do not induce vomiting without
		advice from poison control center or medical professional. Get medical
		attention if any discomfort continues.
4.2	Most important symptoms and effects, both acute	Refer to Sections 2 and 11 for most important known symptoms and
	and delayed:	effects.
4.2a	Inhalation:	May cause coughing or mild irritation.
4.2b	Skin contact:	Prolonged skin contact may cause redness and mild irritation.
4.2c	Eye contact:	May cause temporary eye irritation.
4.2d	Ingestion:	May cause discomfort if swallowed.
4.3	Indication of any immediate medical attention and	No specific first aid measures noted, but first aid may still be required
	special treatment needed:	in case of accidental exposure, inhalation, or ingestion of this product.
	•	If in doubt, get medical attention promptly!
4.3a	Notes to physician/first responder:	Treat symptomatically. Refer to Sections 5-8 for advice on personal
4.3a	Notes to physician/ilist responder.	
		protective equipment.
	n 5: Firefighting measures	
5.1	Extinguishing media:	This product is not flammable. Use fire-extinguishing media
		appropriate for the surrounding materials.
5.1a	Suitable extinguishing media:	Water spray, foam, dry powder, or carbon dioxide.
5.1b	Unsuitable extinguishing media:	None known.
5.2	Special hazards arising from the substance or	This product is not flammable. Product is not explosive. No dangerous
	mixture:	reactions known under normal conditions of use.
5.2a	Hazardous combustion products:	None under normal conditions.
5.2b	Unusual fire & explosion hazards:	No unusual fire or explosion hazards noted.
5.2c	Protective measures in fire:	Use protective equipment appropriate for surrounding materials.
5.3	Advice for firefighters:	Keep away from heat, hot surfaces, sparks, open flames and other
5.5	Advice for menginers.	ignition sources. No smoking.
<b>-</b> 0 -	On a sight fine first time a second second	
5.3a	Special firefighting procedures:	No specific firefighting procedure given.
5.3b	Special protective equipment and precautions for	Wear full protective clothing, including self-contained breathing
	firefighters:	apparatus, if necessary. The product presents no special fire hazards
		in normal use. Keep away from heat, hot surfaces, sparks, open
		flames and other ignition sources. No smoking.
Scotic	n 6: Accidental release measures	
	n 6: Accidental release measures	
6.1	Personal precautions, protective equipment, and	Use protective equipment appropriate for surrounding materials.
	emergency procedures:	
6.1a	General release measures:	No specific emergency measures are required other than good
		laboratory hygiene and safety practices for small spills. Wear suitable
		protective clothing, gloves and eye or face protection. Consult
		professional emergency personnel if concerned (see Section 8).
		Province long, amarganey pareappol it concarned (con Section 9)
6.1b	Advice for non-emergency personnel; personal	No specific emergency measures are required other than good
6.1b	Advice for non-emergency personnel; personal precautions, protective equipment and emergency	No specific emergency measures are required other than good
6.1b	precautions, protective equipment and emergency	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective
6.1b		No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes,
6.1b	precautions, protective equipment and emergency	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case
6.1b	precautions, protective equipment and emergency	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition.
6.1b	precautions, protective equipment and emergency	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing
6.1b	precautions, protective equipment and emergency	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition.
6.1b	precautions, protective equipment and emergency	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable
6.1b	precautions, protective equipment and emergency	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any
6.1b	precautions, protective equipment and emergency	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if
	precautions, protective equipment and emergency procedures:	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.
6.1b	precautions, protective equipment and emergency procedures:  Advice for emergency responders; personal	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.  Wear suitable protective clothing, gloves and eye or face protection to
	precautions, protective equipment and emergency procedures:  Advice for emergency responders; personal precautions, protective equipment and emergency	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.  Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of
	precautions, protective equipment and emergency procedures:  Advice for emergency responders; personal	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.  Wear suitable protective clothing, gloves and eye or face protection to
	precautions, protective equipment and emergency procedures:  Advice for emergency responders; personal precautions, protective equipment and emergency	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.  Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of

General Block SDS; Doc# F17-517-2-E; Effective: 05/26/2017; Supersedes: F17-517-2-D; Page 3 of 6

6.3	Methods and materials for containment and clean up:	ctive: 05/26/2017; Supersedes: F17-517-2-D; Page 3 of 6  Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable	
		container for disposal in accordance with local waste regulations (see Section 13). Wash spill area thoroughly with plenty of soap and water.	
6.4	Reference to other sections:	Avoid contact with skin or inhalation of spillage, dust, or vapor.  Refer to Sections 8 and 13 for additional information.	
Section	n 7: Handling and storage		
7.1	Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Avoid creation of aerosol/mist/dust. Avoid inhalation of vapors/mist/dust. Prevent contact with skin and eyes. Use appropriate personal protection equipment (PPE). Thoroughly wash hands and contaminated areas with water and soap before leaving the work site. Keep away from sources of ignition.	
7.1a	Prevent handling of incompatible substances or mixtures:	Avoid contact with strong acids and strong oxidizers.	
7.1b	Advice on general occupational hygiene:	Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices.	
7.2	Conditions for safe storage, including any incompatibilities:	good laboratory hygiene and safety practices.  Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses.	
7.3	Specific end use(s):	For research use only. Not for use in diagnostic procedures.	
	8: Exposure controls/personal protection		
<b>8.1</b> 8.1a	Control parameters: Occupational exposure limits, such as chemical	The liquid mixture is not in respirable form.	
	identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limit), etc.: WEL = Workplace Exposure Limit. Sk = can be absorbed through skin.	Contains Sucrose: ACGIH TLV (United States, 3/2015) TWA: 10 mg/m³ - 8 hours EH40/2005 WELs (United Kingdom (UK), 12/2011) STEL: 20 mg/m³ 15 minutes. TWA: 10 mg/m³ 8 hours.	
8.1b 8.1c	Appropriate engineering controls: Individual protection measures, such as personal protective equipment:	. Wear gloves, protective goggles, and lab coat.	
8.1d	Safety symbols:		
8.2	Exposure controls:		
8.2a	Process conditions:	Provide eyewash station.	
8.2b	Engineering controls:	Ensure that eyewash stations and safety showers are proximal to the workstation location.	
8.2c	Ventilation controls:  Reference to other sections:	Provide adequate ventilation.  Refer to Section 5 for additional information.	
8.2d 8.2e	Eye/face protection:	Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing.	
8.2f	Skin protection:	Wear apron or protective clothing in case of contact.	
8.2g 8.2h	Hand protection:  Respiratory equipment:	Use suitable protective gloves if risk of skin contact.  Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).	
8.2i 8.2j	Other protection: Hygiene measures:	Wear appropriate clothing to avoid skin contact.  DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated	
8.2k	Thermal hazards:	None known under normal conditions of use.	

General Block SDS; Doc# F17-517-2-E; Effective: 05/26/2017; Supersedes: F17-517-2-D; Page 4 of 6

9.1	Information on basic physical and chemical		
	properties:		
9.1a	Appearance (physical state, color, etc.):	Liquid; clear.	
9.1b	Odor:	No characteristic odor.	
9.1c 9.1d	Odor threshold: pH:	Not determined. 7.2-7.6	
9.1d 9.1e	Melting point/freezing point (°C):	Not determined.	
9.16 9.1f	Initial boiling point and boiling range:	<100°C @ 760 mm Hg.	
9.1g	Flash point (°C):	Not applicable.	
9.1h	Evaporation rate:	Not determined.	
9.1i	Flammability (solid, gas):	Not applicable.	
9.1j	Upper/lower flammability or explosive limits:	Not applicable.	
9.1k	Vapor pressure:	Not determined.	
9.11	Vapor density (Air =1):	Not determined.	
9.1m	Relative density:	Not determined.	
9.1n	Solubility(ies):	Soluble in water.	
9.10	Partition coefficient (N-octanol/water):	Not determined.	
9.1p	Auto-ignition temperature (°C):	Not determined.	
9.1q	Decomposition temperature (°C):	Not determined.	
9.1r	Viscosity:	Not determined.	
9.1s	Explosive properties: Oxidizing properties:	Not determined.	
9.1t <b>9.2</b>	Oxidizing properties:  Other information:	Not determined.  None.	
9.2a	Other physical or chemical parameters:	None.	
3.Za	Other physical of chemical parameters.	NOILE.	
Section	n 10: Stability and reactivity		
10.1	Reactivity:	No data available.	
10.2	Chemical stability:	Stable under normal temperature conditions.	
10.3	Possibility of hazardous reactions:	Hazardous polymerization: will not polymerize.	
10.4	Conditions to avoid:	To avoid product degradation, avoid exposure to high temperatures or	
		direct sunlight or light.	
10.5	Incompatible materials:	Strong acids. Strong oxidizing substances.	
10.6	Hazardous decomposition products:	None under normal conditions.	
O			
	11: Toxicological information		
11.1	Information on toxicological effects:	Sugraca	
<b>11.1</b> 11.1a	Information on toxicological effects: Name:	Sucrose Oral LD50 Pat 29 700 mg/kg	
<b>11.1</b> 11.1a 11.1b	Information on toxicological effects: Name: Acute toxicity:	Oral LD50 Rat 29,700 mg/kg	
11.1 11.1a 11.1b 11.1c	Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation:	Oral LD50 Rat 29,700 mg/kg Not determined.	
11.1 11.1a 11.1b 11.1c 11.1d	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation:	Oral LD50 Rat 29,700 mg/kg Not determined. Not determined.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization:	Oral LD50 Rat 29,700 mg/kg Not determined.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity:	Oral LD50 Rat 29,700 mg/kg Not determined. Not determined. Not determined.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization:	Oral LD50 Rat 29,700 mg/kg Not determined. Not determined. Not determined. Not determined.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity:	Oral LD50 Rat 29,700 mg/kg Not determined. Not determined. Not determined. Not determined. Not determined. Not determined.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure:	Oral LD50 Rat 29,700 mg/kg Not determined.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1j	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard:	Oral LD50 Rat 29,700 mg/kg Not determined.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure	Oral LD50 Rat 29,700 mg/kg Not determined.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1i	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Oral LD50 Rat 29,700 mg/kg  Not determined.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1i 11.1k 11.1l	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion:	Oral LD50 Rat 29,700 mg/kg  Not determined.  May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1i	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Oral LD50 Rat 29,700 mg/kg  Not determined.  In high concentrations, vapors may irritate throat and respiratory	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1k 11.1l	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation:	Oral LD50 Rat 29,700 mg/kg  Not determined.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1k 11.1l	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact:	Oral LD50 Rat 29,700 mg/kg  Not determined.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.  Liquid may irritate skin.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact:	Oral LD50 Rat 29,700 mg/kg  Not determined.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.  Liquid may irritate skin.  Spray and vapor in the eyes may cause irritation and smarting.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1k 11.1l	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and	Oral LD50 Rat 29,700 mg/kg  Not determined.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.  Liquid may irritate skin.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact:	Oral LD50 Rat 29,700 mg/kg  Not determined.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.  Liquid may irritate skin.  Spray and vapor in the eyes may cause irritation and smarting.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1,1i 11.1h 11.1n 11.1n 11.1n	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics:	Oral LD50 Rat 29,700 mg/kg  Not determined.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.  Liquid may irritate skin.  Spray and vapor in the eyes may cause irritation and smarting.  No specific symptoms noted.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1,1i 11.1h 11.1n 11.1n 11.1n	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute	Oral LD50 Rat 29,700 mg/kg  Not determined.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.  Liquid may irritate skin.  Spray and vapor in the eyes may cause irritation and smarting.  No specific symptoms noted.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1,1i 11.1h 11.1n	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates):	Oral LD50 Rat 29,700 mg/kg  Not determined.  May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.  Liquid may irritate skin.  Spray and vapor in the eyes may cause irritation and smarting.  No specific symptoms noted.  Not determined.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1, 11.1h 11.1n	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects:	Oral LD50 Rat 29,700 mg/kg  Not determined.  May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.  Liquid may irritate skin.  Spray and vapor in the eyes may cause irritation and smarting.  No specific symptoms noted.  Not determined.  Not determined.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1h 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data:	Oral LD50 Rat 29,700 mg/kg  Not determined.  May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.  Liquid may irritate skin.  Spray and vapor in the eyes may cause irritation and smarting.  No specific symptoms noted.  Not determined.  Not determined.  Not determined.  Not applicable.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1h 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures:	Oral LD50 Rat 29,700 mg/kg  Not determined.  May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.  Liquid may irritate skin.  Spray and vapor in the eyes may cause irritation and smarting.  No specific symptoms noted.  Not determined.  Not determined.  Not determined.  Not applicable.  Item is a mixture.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1f 11.1n 11.1i 11.1i 11.1n	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures: Mixture vs. substance information:	Oral LD50 Rat 29,700 mg/kg Not determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Liquid may irritate skin. Spray and vapor in the eyes may cause irritation and smarting. No specific symptoms noted.  Not determined.  Not determined.  Not determined.  Not applicable. Item is a mixture. See Section 3 for any substances in the mixture.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1f 11.1n 11.1i 11.1i 11.1n	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures: Mixture vs. substance information: Classification by National Toxicity Program (NTP):	Oral LD50 Rat 29,700 mg/kg  Not determined.  May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.  Liquid may irritate skin.  Spray and vapor in the eyes may cause irritation and smarting.  No specific symptoms noted.  Not determined.  Not determined.  Not determined.  Not applicable.  Item is a mixture.  See Section 3 for any substances in the mixture.  Not classified.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1f 11.1n 11.1i 11.1i 11.1n	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures: Mixture vs. substance information: Classification by National Toxicity Program (NTP): Classification by International Agency for Research	Oral LD50 Rat 29,700 mg/kg  Not determined.  May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.  Liquid may irritate skin.  Spray and vapor in the eyes may cause irritation and smarting.  No specific symptoms noted.  Not determined.  Not determined.  Not determined.  Not applicable.  Item is a mixture.  See Section 3 for any substances in the mixture.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1f 11.1n	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures: Mixture vs. substance information: Classification by National Toxicity Program (NTP): Classification by International Agency for Research on Cancer (IARC):	Oral LD50 Rat 29,700 mg/kg  Not determined.  May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.  Liquid may irritate skin.  Spray and vapor in the eyes may cause irritation and smarting.  No specific symptoms noted.  Not determined.  Not determined.  Not determined.  Not determined.  Not determined.  Not determined.  Not classified.  Not classified.	
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1f 11.1n 11.1i 11.1i 11.1n	Information on toxicological effects:  Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures: Mixture vs. substance information: Classification by National Toxicity Program (NTP): Classification by International Agency for Research	Oral LD50 Rat 29,700 mg/kg  Not determined.  May enter by skin and/or eye contact; inhalation of vapors/mist/dust.  May cause discomfort if swallowed.  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.  Liquid may irritate skin.  Spray and vapor in the eyes may cause irritation and smarting.  No specific symptoms noted.  Not determined.  Not determined.  Not determined.  Not applicable.  Item is a mixture.  See Section 3 for any substances in the mixture.  Not classified.	

General Block SDS; Doc# F17-517-2-E; Effective: 05/26/2017; Supersedes: F17-517-2-D; Page 5 of 6

	n 12: Ecological information		
12.1	Toxicity:		
12.1a	Name:	Sucrose.	
12.1b	Ecotoxicity (aquatic and terrestrial, where available):	There are no data on ecotoxicity of this product.	
12.2	Persistence and degradability:	There are no data on the degradability of this product.	
12.3	Bioaccumulative potential:	No data available on bioaccumulation.	
12.4	Mobility in soil:	Mobility in soil is unknown (the product is soluble in water).	
12.5	Results of PBT and vPvB assessment:	Not determined.	
12.6	Other adverse effects:	The product contains a substance which is harmful to aquatic	
		organisms. However, at the concentrations present this product does not need to be classified as hazardous for the environment and the effects are not expected to be significant.	
Section	n 13: Disposal considerations		
13.1	Waste treatment methods:	When handling waste, consideration should be made to the safety	
		precautions applying to handling of the product.	
13.1a	Description of waste residues and information on	Dispose of waste and residues in accordance with local authority	
	their safe handling and methods of disposal,	requirements. For the safety of persons conducting disposal, recycling	
	including the disposal of any contaminated	or reclamation activities, please refer to the information in Section 8	
	packaging:	(exposure controls and personal protection) of the SDS.	
0	A4. Towns and info		
	n 14: Transport information	Not applicable	
14.1	UN number:	Not applicable.	
14.2	UN proper shipping name:	Not applicable.	
14.3	Transport hazard class(es):	Not applicable.	
14.4	Packing group:	Not applicable.	
14.5	Environmental hazards:	N <sub>2</sub>	
14.5a	Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?:	No.	
14.5b	Is it a marine pollutant according to the IMDG code?:	No.	
14.6 14.7	Special precautions for user: Transport in bulk according to Annex II of	None known.  Not applicable.	
	MARPOL and the IBC code:	T	
14.7a	Other information:	The product is not considered a dangerous good for transport.	
14.7b	Classification for other modes of transport:	Contact supplier.	
Continu	a 15. Bagulatary information		
	n 15: Regulatory information		
15.1	Safety, health and environmental regulations/legislation specific for the substance	·	
45.4	or mixture:		
15.1a	Regional safety, health and environmental regulations specific for the product in question:		
15.1b	USA SARA Components (such as 302/311/313):	Sodium azide (CAS # 26628-22-8) is listed under 302, 304, 313.	
15.1c	USA Massachusetts Right to Know:	Sodium azide (CAS # 26628-22-8) is listed.	
15.1d	USA Pennsylvania Right to Know:	Sodium azide (CAS # 26628-22-8) is listed.	
15.1e	USA New Jersey Right to Know:	Sodium azide (CAS # 26628-22-8) is listed.	
15.1f	USA California Prop. 65 Components:	Not listed.	
15.1g	EU Regulation 1907/2006 {REACH}:		
15.1h	Annex XIV substances subject to authorization:	Not listed.	
15.1i	Substances of very high concern:	Not listed.	
15.1j	Approved code of practice:	Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.	
15.1k	Guidance notes:	Workplace exposure limits EH40.	
15.11	EU legislation references:	(EC) No. 1272/2008 on the classification, labelling and packaging of	
		substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.	
15.2	Chemical safety assessment:	Not required.	
15.2a	Other regulatory information:	None.	
	n 16: Other information		
16.1	Other information:		

		ctive: 05/26/2017; Supersedes: F17-517-2-D; Page 6 of 6			
16.1a	Date of revision:	26-May-2017			
16.1b	SDS number and revision:	F17-517-2-E			
16.1b 16.1c 16.1d 16.1e	Supersedes SDS number and revision: Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in the SDS:  Full text of hazard statements and/or precautionary	F17-517-2-D Reviewed and updated document control numbers. ACGIH American Conference of Governmental Industrial Hygienists. ADN European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway. ADR The European Agreement concerning the International Carriage of Dangerous Goods by Road. ATE Acute Toxicity Estimate. BCF Bio Concentration Factor. CAS Chemical Abstracts Service. CLP Classification, Labelling and Packaging. CMR Carcinogen, Mutagen or Reproductive toxicant. COD Chemical Oxygen Demand. EC European Commission. EC50 Half maximal effective concentration. EH40 Resource containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations. EINECS European Inventory of Existing Commercial chemical Substances. ELINCS European Ist of Notified Chemical Substances. EL European Union. GHS Globally Harmonized System of Classification and Labelling of Chemicals. H Statement GHS Hazard statement. IATA International Air Transport Association. IBC Intermediate Bulk Container. IC50 Half maximal inhibitory concentration. IMDG International Maritime Dangerous Goods. LC50 Median lethal concentration. LD50 Median lethal concentration. LD50 Median lethal concentration. LD50 Median Iethal Concentration. LD50 Median Iethal Gose. LogPow logarithm of the octanol/water partition coefficient. MARPOL 73/78 International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. OEL Occupational Exposure Limit. OSHA Occupational Safety and Health Administration (USA). PBT Persistent, Bioaccumulative, and Toxic. PEL Permissible Exposure Limit. RID The Regulations concerning the International Carriage of Dangerous Goods by Rail. SADT Self-Accelerating Decomposition Temperature. SARA Superfund Amendments and Reauthorization Act. SCBA Self-Contained Breathing Apparatus. SDS Safety Data Sheet. STOT-RE Specific Target Organ Toxicity - Repeated Exposure. UN United Nations. USA United States of America.  PVB very Persiste			
DICC:	statements not written out in full elsewhere:				
DISCLA		fic material designated and may not be valid for such material used			
	in combination with any other materials or in any process. Such information is, to the best of the compan				

in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

#### **END OF SDS**



# SAFETY DATA SHEET (SDS) according to Regulation (EC) No. 830/2015 amending 1907/2006

.1	Product identifier:		General Serum Diluent		
.1a	Other means of identification:				
.1b	Alternative produ	ict name(s)/ synonyms:	General Sample Diluent; SD1.		
.1c	Product number/	Catalog #(s):	526, 647, 648, 649,		
.1d	Internal identifica	ition:	General Sample Dil	uent; SD1	
.2	Relevant identified uses	of the substance or	For research use on	lly. Not for use in diagnostic procedures.	
	mixture and uses advised	d against:			
.2a	Brief description of what the	e substance or mixture is	A buffered solution of	designed to dilute samples and reagents used in	
			ELISAs.	ELISAs.	
.3	Details of the supplier of	the SDS:			
.3a	Name:			echnologies, LLC (ICT)	
.3b	Address:		9401 James Avenue		
.3c	City, State, Zip, 0	Country	Bloomington, MN 55		
.3d	Phone number:		1-800-829-3194 and	1 952-888-8788	
.3e	Fax number:		952-888-8988		
.3f	Website:		www.immunochemis		
.3g	Email:		help@immunochem		
.3h	Contact person a		Quality Documentat		
.4	Emergency telephone nu	mber:		4 (USA & Canada) or 952-888-8788 world wide;	
			ICT hours are 9 am-	5 pm central time USA, Monday through Friday	
			(excluding holidays)	. Chemtrec 24-hour access within USA and	
			Canada: 1-800-424-	-9300 or +1 703-527-3887. Collect calls accepted.	
	on 2: Hazards identification				
.1	Classification of the subs	stance or mixture:	N.A.:		
.1a	Product is a:	(EO) No. 4070/0000	Mixture.	with size for all a sifications	
.1b	Classification according to	(EC) No. 1272/2008	Does not meet the o	criteria for classification.	
110	{CLP}:	a physical by man	Drolomand alsim cont	and many navina madmana and imitation. Defends	
2.1c	The most important advers		Prolonged skin cont	Prolonged skin contact may cause redness and irritation. Refer to	
2.2	health, and environmental	enecis.	Sections 4, 9-12.  None.		
2.2a	Label elements:	ling progutionary	None.		
2.Za	GHS label elements, including precautionary statements:		None.		
2.2b	Contains:		Not applicable.		
2.2c	Labeling in accordance wit	h (EC) No. 1272/2008:	None.		
2.2d	Hazard Pictograms (Hazar		None.		
2.2e	Signal word:	<u></u>	None.		
2.2f	Hazard statements:		None.		
2.2g	Precautionary statements:		None.		
2.2h	Supplementary precaution	statements:	None.		
2.3	Other hazards:		No additional information available.		
2.3a	Does the chemical meet th	e criteria for PBT or vPvB?	Not applicable.		
2.3b	Other hazards which do no			dium Azide (CAS #26628-22-8; EC #247-852-1)	
				hreshold for hazard classification. Contains sodium	
			chloride and phosphates which are below the threshold for hazard classification, but may cause redness and irritation after prolonged		
			exposure.		
ectio	on 3: Composition/informat	ion on ingredients			
3.1	Substance:		Item is a mixture the	erefore Section 3.1 is not applicable; see Section	
			3.2.		
3.2	Mixture:		Item is a mixture.		
	The chemical identity and o	concentration or			
	concentration ranges of all				
	hazardous and are present				
	3.2a Chemical identity:		No ingredients ident	ified for reporting in this section.	
	3.2b Common name, synor	nyms, etc.:			
	3.2c CAS number and		3.2e %	3.2f Classification according to (EC) No.	
	other unique identifiers:	3.2d EC number:	Concentration:	1272/2008 {CLP}:	
	outer arrigate rathritimere.				

General Serum Diluent SDS; Doc# F17-526-2-D; Effective: 05/26/2017; Supersedes: F17-526-2-C; Page 2 of 6

Section	on 4: First aid measures	
4.1	Description of first aid measures:	If concerned, get medical attention/advice and provide physician with
		SDS information. Wash contaminated clothing before re-use. Never
		give anything to an unconscious person.
4.1a	Inhalation:	Remove to fresh air and keep at rest in a comfortable position for
		breathing. If not breathing, give artificial respiration. Rinse nose and
		mouth with water. Get medical attention if any discomfort continues.
4.1b	Skin contact:	Wash skin thoroughly with soap and water for several minutes;
		continue to rinse for at least 15 minutes. Remove any contaminated
		clothing and shoes and wash thoroughly before reuse. Get medical
		attention if any discomfort continues.
4.1c	Eye contact:	Promptly wash eyes with plenty of water while lifting the eyelids. Make
		sure to remove any contact lenses from the eyes before rinsing.
		Continue to rinse for at least 15 minutes. Get medical attention if any
		discomfort continues.
4.1d	Ingestion:	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK
		FLUIDS! Rinse mouth thoroughly. Do not induce vomiting without
		advice from poison control center or medical professional. Get medical
4.0	Mark the second	attention if any discomfort continues.
4.2	Most important symptoms and effects, both acute	Refer to Sections 2 and 11 for most important known symptoms and
	and delayed:	effects.
4.2a	Inhalation:	May cause coughing or mild irritation.
4.2b	Skin contact:	Prolonged skin contact may cause redness and mild irritation.
4.2c	Eye contact:	May cause temporary eye irritation.
4.2d	Ingestion:	May cause discomfort if swallowed.
4.3	Indication of any immediate medical attention and	No specific first aid measures noted, but first aid may still be required
	special treatment needed:	in case of accidental exposure, inhalation, or ingestion of this product.
4.0-	Nata to also sision finat as a same	If in doubt, get medical attention promptly!
4.3a	Notes to physician/first responder:	Treat symptomatically. Refer to Sections 5-8 for advice on personal
		protective equipment.
Castia	n E. Firefighting managers	
5.1	n 5: Firefighting measures  Extinguishing media:	This product is not flammable. Use fire-extinguishing media
3.1	Extinguishing media.	appropriate for the surrounding materials.
5.1a	Suitable extinguishing media:	Water spray, foam, dry powder, or carbon dioxide.
5.1b	Unsuitable extinguishing media:	None known.
5.2	Special hazards arising from the substance or	This product is not flammable. Product is not explosive. No dangerous
J. <u>Z</u>	mixture:	reactions known under normal conditions of use.
5.2a	Hazardous combustion products:	None under normal conditions.
5.2b	Unusual fire & explosion hazards:	No unusual fire or explosion hazards noted.
5.2c	Protective measures in fire:	Use protective equipment appropriate for surrounding materials.
5.3	Advice for firefighters:	Keep away from heat, hot surfaces, sparks, open flames and other
		ignition sources. No smoking.
5.3a	Special firefighting procedures:	No specific firefighting procedure given.
5.3b	Special protective equipment and precautions for	Wear full protective clothing, including self-contained breathing
0.02	firefighters:	apparatus, if necessary. The product presents no special fire hazards
	3 3 3	in normal use. Keep away from heat, hot surfaces, sparks, open
		flames and other ignition sources. No smoking.
Section	n 6: Accidental release measures	
6.1	Personal precautions, protective equipment, and	Use protective equipment appropriate for surrounding materials.
	emergency procedures:	· · · · · · · · · · · · · · · · · · ·
6.1a	General release measures:	No specific emergency measures are required other than good
		laboratory hygiene and safety practices for small spills. Wear suitable
		protective clothing, gloves and eye or face protection. Consult
		professional emergency personnel if concerned (see Section 8).
6.1b	Advice for non-emergency personnel; personal	No specific emergency measures are required other than good
	precautions, protective equipment and emergency	laboratory hygiene and safety practices. Wear suitable protective
	procedures:	clothing/gloves/eye/face protection to avoid contact with skin, eyes,
		and personal clothing; use an approved supplied-air respirator, in case
		of emergency (also refer to Section 8). Remove all sources of ignition.
		Ensure adequate ventilation and control dust/mist. Avoid breathing
		vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable
		protective clothing, gloves and eye or face protection to prevent any
		contamination. Consult professional emergency personnel if
		concerned.
6.1c	Advice for emergency responders; personal	Wear suitable protective clothing, gloves and eye or face protection to
	precautions, protective equipment and emergency	avoid contact; use an approved supplied-air respirator, in case of
	procedures:	emergency (also refer to Section 8).
	Environmental precautions:	Do not allow to enter drains, sewers, or watercourses.
6.2	Environmental precautions.	Do not allow to onto draine, cowere, or water courses.

General Serum Diluent SDS; Doc# F17-526-2-D; Effective: 05/26/2017; Supersedes: F17-526-2-C; Page 3 of 6 6.3 Methods and materials for containment and Contain any spills with dikes or absorbent materials to prevent clean up: migration and entry into sewers or water sources. Place in a suitable container for disposal in accordance with local waste regulations (see Section 13). Wash spill area thoroughly with plenty of soap and water. Avoid contact with skin or inhalation of spillage, dust, or vapor. 6.4 Reference to other sections: Refer to Sections 8 and 13 for additional information. Section 7: Handling and storage 7.1 Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Avoid creation of aerosol/mist/dust. Avoid inhalation of vapors/mist/dust. Prevent contact with skin and eyes. Use appropriate personal protection equipment (PPE). Thoroughly wash hands and contaminated areas with water and soap before leaving the work site. Keep away from sources of ignition. 7.1a Prevent handling of incompatible substances or Avoid contact with strong acids and strong oxidizers. mixtures: 7.1b Do not eat, drink, or smoke in work areas. Wash hands after use. Advice on general occupational hygiene: Remove contaminated clothing and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.2 Conditions for safe storage, including any Store in cool place. Keep container tightly closed in a dry and wellincompatibilities: ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. Section 8: Exposure controls/personal protection 8.1 **Control parameters:** 8.1a Occupational exposure limits, such as chemical The liquid mixture is not in respirable form. No data available. identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limit), etc.: WEL = Workplace Exposure Limit. Sk = can be absorbed through skin. 8.1b Appropriate engineering controls: Individual protection measures, such as personal 8.1c Wear gloves, protective goggles, and lab coat. protective equipment: 8.1d Safety symbols: 8.2 **Exposure controls:** 8.2a Process conditions: Provide eyewash station. 8.2b Engineering controls: Ensure that eyewash stations and safety showers are proximal to the workstation location. 8.2c Provide adequate ventilation. Ventilation controls: 8.2d Reference to other sections: Refer to Section 5 for additional information. 8.2e Eye/face protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 8.2f Skin protection: Wear apron or protective clothing in case of contact. 8.2g Use suitable protective gloves if risk of skin contact. Hand protection: 8.2h Where risk assessment shows air-purifying respirators are appropriate Respiratory equipment: use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). 8.2i Other protection: Wear appropriate clothing to avoid skin contact. DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift 8.2j Hygiene measures: and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated None known under normal conditions of use. 8.2k Thermal hazards: 8.21 Environmental exposure controls: Not determined. Section 9: Physical and chemical properties 9.1 Information on basic physical and chemical properties:

General Serum Diluent SDS; Doc# F17-526-2-D; Effective: 05/26/2017; Supersedes: F17-526-2-C; Page 4 of 6

0.4		trective: 05/26/2017; Supersedes: F17-526-2-C; Page 4 of 6
9.1a	Appearance (physical state, color, etc.):	Liquid; light (or pale) yellow.
9.1b	Odor:	Characteristic.
9.1c	Odor threshold:	Not determined.
9.1d	pH:	7.2-7.6
9.1e	Melting point/freezing point (°C):	Not determined.
9.1f	Initial boiling point and boiling range:	<100°C @ 760 mm Hg.
9.1g	Flash point (°C):	Not applicable.
9.1h	Evaporation rate:	Not determined.
9.1i	Flammability (solid, gas):	Not applicable.
9.1j	Upper/lower flammability or explosive limits:	Not applicable.
9.1k	Vapor pressure:	Not determined.
9.11	Vapor density (Air =1):	Not determined.
9.1m	Relative density:	Not determined.
9.1n	Solubility(ies):	Soluble in water.
9.10	Partition coefficient (N-octanol/water):	Not determined.
9.1p	Auto-ignition temperature (°C):	Not determined.
9.1q	Decomposition temperature (°C):	Not determined.
9.1r	Viscosity:	Not determined.
9.1s	Explosive properties:	Not determined.
9.1t	Oxidizing properties:	Not determined.
9.2	Other information:	None.
9.2a	Other physical or chemical parameters:	None.
Section	10: Stability and reactivity	
10.1	Reactivity:	No data available.
10.2	Chemical stability:	Stable under normal temperature conditions.
10.3	Possibility of hazardous reactions:	Hazardous polymerization: will not polymerize.
10.4	Conditions to avoid:	To avoid product degradation, avoid exposure to high temperatures or
10.4	Conditions to avoid.	
10.5		direct sunlight or light.
10.5	Incompatible materials:	Hydrocarbons – halogenated. Strong acids. Metals.
10.6	Hazardous decomposition products:	None under normal conditions.
	11: Toxicological information	
11.1	Information on toxicological effects:	
11.1a	Name:	No ingredients identified for reporting in this section.
11.1b	Acute toxicity:	Not determined.
11.1c	Skin corrosion/irritation:	Not determined.
11.1d	Serious eye damage/irritation:	Not determined.
	Respiratory or skin sensitization:	
11.1e		Not determined.
11.1f	Germ cell mutagenicity:	Not determined.
11.1g	Carcinogenicity:	Not determined.
11.1h	Reproductive toxicity:	Not determined.
11.1i	STOT-single exposure:	Not determined.
11.1j	STOT-repeated exposure:	Not determined.
11.1k	Aspiration hazard:	Not determined.
11.11	Information on the likely routes of exposure	May enter by skin and/or eye contact; inhalation of vapors/mist/dust.
	(inhalation, ingestion, skin and eye contact):	May officer by order and/or eye softward, initial autori or vaporo/fillou autor.
11.1m		May cause discomfort if swallowed.
	Ingestion:	
11.1n	Inhalation:	In high concentrations, vapors may irritate throat and respiratory
		system and cause coughing.
11.1o	Skin contact:	Liquid may irritate skin.
11.1p	Eye contact:	Spray and vapor in the eyes may cause irritation and smarting.
11.1q	Symptoms related to the physical, chemical and	No specific symptoms noted.
'	toxicological characteristics:	
11.1r	Delayed and immediate effects as well as chronic	Not determined.
	effects from short and long term exposure:	110% dottoffilliflod.
11.1s	Numerical measures of toxicity (such as acute	Not determined.
11.15		NOT GETEININEG.
44.41	toxicity estimates):	N. C. Later and C.
11.1t	Interactive effects:	Not determined.
11.1u	Absence of specific data:	Not applicable.
11.1v	Mixtures:	Item is a mixture.
11.1w	Mixture vs. substance information:	See Section 3 for any substances in the mixture.
11.1x	Classification by National Toxicity Program (NTP):	Not classified.
11.1x	Classification by International Agency for Research	Not classified.
1 1. 1 <b>y</b>	on Cancer (IARC):	NOT GIASSITICA.
		Net algorified
44.4		Not classified.
11.1z	Classification by OSHA 13:	
11.1z 11.1ab	Other information:	None.
11.1ab	Other information:	
11.1ab	Other information:	
11.1ab		

General Serum Diluent SDS; Doc# F17-526-2-D; Effective: 05/26/2017; Supersedes: F17-526-2-C; Page 5 of 6

	General Serum Diluent SDS; Doc# F17-526-2-D; Ef	
12.1a	Name:	No ingredients identified for reporting in this section
12.1b	Ecotoxicity (aquatic and terrestrial, where available):	There are no data on ecotoxicity of this product.
12.2	Persistence and degradability:	There are no data on the degradability of this product.
12.3	Bioaccumulative potential:	No data available on bioaccumulation.
12.4	Mobility in soil:	Mobility in soil is unknown (the product is soluble in water).
12.5	Results of PBT and vPvB assessment:	Not determined.
12.6	Other adverse effects:	The product contains a substance which is harmful to aquatic
		organisms. However, at the concentrations present this product does not need to be classified as hazardous for the environment and the
		effects are not expected to be significant.
Section	n 13: Disposal considerations	
13.1	Waste treatment methods:	When handling waste, consideration should be made to the safety
13.1	Waste treatment methods.	precautions applying to handling of the product.
13.1a	Description of waste residues and information on	Dispose of waste and residues in accordance with local authority
10.14	their safe handling and methods of disposal,	requirements. For the safety of persons conducting disposal, recycling
	including the disposal of any contaminated	or reclamation activities, please refer to the information in Section 8
	packaging:	(exposure controls and personal protection) of the SDS.
	, puonaging.	(onposition sind personal protostion) of the object
Section	14: Transport information	
14.1	UN number:	Not applicable.
14.2	UN proper shipping name:	Not applicable.
14.3	Transport hazard class(es):	Not applicable.
14.4	Packing group:	Not applicable.
14.5	Environmental hazards:	
14.5a	Is it environmentally dangerous according to UN	No.
	Model Regulations (IMDG Code, ADR, RID, and	
	ADN)?:	
14.5b	Is it a marine pollutant according to the IMDG	No.
	code?:	N
14.6	Special precautions for user:	None known.
14.7	Transport in bulk according to Annex II of	Not applicable.
447-	MARPOL and the IBC code:	
14.7a 14.7b	Other information:	The product is not considered a dangerous good for transport.
14.70	Classification for other modes of transport:	Contact supplier.
_		
Saction	15: Pogulatory information	
	15: Regulatory information	
Section 15.1	Safety, health and environmental	
	Safety, health and environmental regulations/legislation specific for the substance	
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture:	
	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental	
<b>15.1</b> 15.1a	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:	. Sodium azide (CAS # 26628-22-8) is listed under 302, 304, 313.
15.1a 15.1b	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):	Sodium azide (CAS # 26628-22-8) is listed under 302, 304, 313.  Sodium azide (CAS # 26628-22-8) is listed.
15.1a 15.1a 15.1b 15.1c	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:	Sodium azide (CAS # 26628-22-8) is listed.
15.1a 15.1b	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:	
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f	Safety, health and environmental regulations/legislation specific for the substance or mixture: Regional safety, health and environmental regulations specific for the product in question: USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed.
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed.
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed.
15.1a 15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question: USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.
15.1a 15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1i 15.1j	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1i 15.1j	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1i 15.1j	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1i 15.1j	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation,
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1i 15.1j	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1i 15.1j	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1i 15.1j	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1i 15.1j	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1i 15.1j	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and
15.1a 15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1i 15.1i	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:  EU legislation references:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
15.1a  15.1a  15.1b  15.1c  15.1d  15.1e  15.1f  15.1g  15.1h  15.1i  15.1i  15.1s  15.1c	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:  EU legislation references:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.  Not required.
15.1a 15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1i 15.1i	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:  EU legislation references:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
15.1a  15.1a  15.1b  15.1c  15.1c  15.1d  15.1e  15.1f  15.1j  15.1i  15.1i  15.1i  15.2	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:  EU legislation references:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.  Not required.
15.1a  15.1a  15.1b  15.1c  15.1c  15.1d  15.1e  15.1f  15.1j  15.1i  15.1i  15.1i  15.2	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:  EU legislation references:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.  Not required.
15.1a  15.1a  15.1b  15.1c  15.1d  15.1e  15.1f  15.1j  15.1i  15.1i  15.1i  15.1s  15.2  15.2a  Section	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:  EU legislation references:  Chemical safety assessment:  Other regulatory information:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.  Not required.
15.1a  15.1a  15.1b  15.1c  15.1c  15.1d  15.1e  15.1f  15.1j  15.1i  15.1i  15.1i  15.2  15.2a  Section  16.1	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:  EU legislation references:  Chemical safety assessment:  Other regulatory information:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.  Not required.
15.1a  15.1a  15.1b  15.1c  15.1c  15.1d  15.1e  15.1f  15.1j  15.1i  15.1i  15.1i  15.1s  15.1c  15.1c	Safety, health and environmental regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:  EU Regulation 1907/2006 {REACH}:  Annex XIV substances subject to authorization:  Substances of very high concern:  Approved code of practice:  Guidance notes:  EU legislation references:  Chemical safety assessment:  Other regulatory information:  16: Other information:  Date of revision:	Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Sodium azide (CAS # 26628-22-8) is listed.  Not listed.  Not listed.  Not listed.  Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.  Workplace exposure limits EH40.  (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.  None.

General Serum Diluent SDS; Doc# F17-526-2-D; Effective: 05/26/2017; Supersedes: F17-526-2-C; Page 6 of 6 16.1d Changes made to the previous version of the SDS: Reviewed and updated document control numbers. 16.1e Key/legend to abbreviations and acronyms used in ACGIH American Conference of Governmental Industrial Hygienists. ADN European Provisions concerning the International Carriage of the SDS: Dangerous Goods by Inland Waterway. ADR The European Agreement concerning the International Carriage of Dangerous Goods by Road. ATE Acute Toxicity Estimate. BCF Bio Concentration Factor. CAS Chemical Abstracts Service. CLP Classification, Labelling and Packaging. CMR Carcinogen, Mutagen or Reproductive toxicant. COD Chemical Oxygen Demand. EC European Commission. EC50 Half maximal effective concentration. EH40 Resource containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations. EINECS European Inventory of Existing Commercial chemical Substances. ELINCS European List of Notified Chemical Substances. EU European Union. GHS Globally Harmonized System of Classification and Labelling of Chemicals. H Statement GHS Hazard statement. IATA International Air Transport Association. IBC Intermediate Bulk Container. IC50 Half maximal inhibitory concentration. IMDG International Maritime Dangerous Goods. LC50 Median lethal concentration. LD50 Median lethal dose. LogPow logarithm of the octanol/water partition coefficient. MARPOL 73/78 International Convention for the Prevention of Pollution From Ships. 1973 as modified by the Protocol of 1978. OEL Occupational Exposure Limit. OSHA Occupational Safety and Health Administration (USA). PBT Persistent, Bioaccumulative, and Toxic. PEL Permissible Exposure Limit. RID The Regulations concerning the International Carriage of Dangerous Goods by Rail. SADT Self-Accelerating Decomposition Temperature. SARA Superfund Amendments and Reauthorization Act. SCBA Self-Contained Breathing Apparatus. SDS Safety Data Sheet. STOT Specific Target Organ Toxicity. STOT-RE Specific Target Organ Toxicity - Repeated Exposure. STOT-SE Specific Target Organ Toxicity - Single Exposure. UN United Nations. USA United States of America. vPvB very Persistent very bioaccumulative. 16.1f Full text of hazard statements and/or precautionary All statements were written out in full. statements not written out in full elsewhere: This information relates only to the specific material designated and may not be valid for such material used DISCLAIMER: in combination with any other materials or in any process. Such information is, to the best of the company's

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

#### **END OF SDS**



## SAFETY DATA SHEET (SDS) according to Regulation (EC) No. 830/2015 amending 1907/2006

1.1	Product identifier:	Antigen-Down HRP Conjugate Stabilizer, 5X
1.1a	Other means of identification:	- magain a community of
1.1b	Alternative product name(s)/ synonyms:	Antigen-Down Conjugate Stabilizer; Antigen-Down Conjugate Diluent Ag-Down Conjugate Stabilizer; CS2; CD2.
1.1c	Product number/Catalog #(s):	586, 6102, 6103, 6104, 6105, 6169
1.1d	Internal identification:	Antigen-Down Conjugate Stabilizer; Ag-Down Conjugate Stabilizer; CS2; CD2
1.2	Relevant identified uses of the substance or mixture and uses advised against:	Product intended for research use or for further manufacturing into <i>in vitro</i> diagnostics reagents only. Not intended for use in human or therapeutics purposes.
1.2a	Brief description of what the substance or mixture is intended to do:	A buffered solution designed to stabilize HRP conjugates, which are often used in ELISAs.
1.3	Details of the supplier of the SDS:	
1.3a	Name:	ImmunoChemistry Technologies, LLC (ICT)
1.3b	Address:	9401 James Avenue South, Suite 155
1.3c	City, State, Zip, Country	Bloomington, MN 55431-2500 USA
1.3d	Phone number:	1-800-829-3194 and 952-888-8788
1.3e	Fax number:	952-888-8988
1.3f	Website:	www.immunochemistry.com
1.3g	Email:	help@immunochemistry.com
1.3h	Contact person at ICT:	Quality Documentation Department
1.4	Emergency telephone number:	ICT: 1-800-829-3194 (USA & Canada) or 952-888-8788 world wide; ICT hours are 9 am-5 pm central time USA, Monday through Friday (excluding holidays). Chemtrec 24-hour access within USA and Canada: 1-800-424-9300 or +1 703-527-3887. Collect calls accepted
	on 2: Hazards identification	
2.1	Classification of the substance or mixture:	,
2.1a	Product is a:	Mixture.
2.1b	Classification according to (EC) No. 1272/2008 (CLP):	Skin Sens. 1, H317 May cause an allergic skin reaction.  Aquatic Chronic 3, H412 Harmful to aquatic life with long lasting effects.
2.1c	The most important adverse physiochemical, human health, and environmental effects:	Refer to Sections 9-12.
2.2	Label elements:	
2.2a	GHS label elements, including precautionary statements:	
2.2b	Contains:	≤0.0425% of reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).
2.2c	Labeling in accordance with (EC) No. 1272/2008:	•
2.2d	Hazard Pictograms (Hazard Symbols):	<u>(!)</u>
0.0-	Cinn of words	GHS07 Exclamation.
2.2e 2.2f	Signal word: Hazard statements:	Warning. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
2.2g	Precautionary statements:	P261 Avoid breathing mist, vapors, or spray. P273 Avoid release to the environment. P280 Wear protective gloves, protective clothing, eye protection, and face protection. P302+P352 If on skin: Wash with plenty of soap and water. P333+P313 If skin irritation or rash occurs: Get medical attention. P501 Dispose of contents and container in accordance with all local,
		regional, national and international regulations.
2.2h	Supplementary precaution statements:	regional, national and international regulations.  P272 Contaminated work clothing should not be allowed out of the

Antigen-Down HRP Conjugate Stabilizer, 5X SDS; Doc# F17-586-2-D; Effective: 03/03/2020; Supersedes: F17-586-2-C; Page 2 of 7 P363 Wash contaminated clothing before reuse. 2.3 No additional information available. Other hazards: 2.3a Does the chemical meet the criteria for PBT or vPvB? Not applicable. 2.3b Other hazards which do not result in classification: None. Section 3: Composition/information on ingredients Substance: Item is a mixture therefore Section 3.1 is not applicable; see Section 3.2. 3.2 Mixture: Item is a mixture. The chemical identity and concentration or concentration ranges of all ingredients which are hazardous and are present above their cut-off levels: 3.2a Chemical identity: Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). 3.2b Common name, synonyms, etc.: ProClin300 (ProClin® is a registered trademark of Dow Chemical Company) 3.2c CAS number and 3.2f Classification according to (EC) No. 3.2e % Concentration: other unique identifiers: 3.2d EC number: 1272/2008 {CLP}: Acute Tox. 3, H301 CAS: 55965-84-9; Annex ≤0.0425% VI Index: 613-167-00-5 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071 3.2u Other information on the mixture: None. Section 4: First aid measures Description of first aid measures: If concerned, get medical attention and provide physician with SDS 4.1 information. Wash contaminated clothing before reuse. Never give anything by mouth to an unconscious person. 4.1a Inhalation: Remove to fresh air and keep at rest in a comfortable position for breathing. If not breathing, give artificial respiration. Rinse nose and mouth with water. Get medical attention if any discomfort continues. 4.1b Skin contact: Wash skin thoroughly with soap and water for several minutes: continue to rinse for at least 15 minutes. Remove any contaminated clothing and shoes and wash thoroughly before reuse. Get medical attention if any discomfort continues. Promptly wash eyes with plenty of water while lifting the eyelids. Make 4.1c Eye contact: sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK 4.1d Ingestion: FLUIDS! Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if any discomfort continues. 4.2 Most important symptoms and effects, both acute Refer to Sections 2 and 11 for most important known symptoms and and delayed: effects. 4.2a Inhalation: None known. Symptoms may include irritation or redness. 4.2b Skin contact: 4.2c Eye contact: None known. 4.2d Ingestion: None known. Indication of any immediate medical attention and No additional information available. 4.3 special treatment needed:

	special treatment needed.	
4.3a	Notes to physician/first responder:	Treat symptomatically. Refer to Sections 5-8 for advice on personal protective equipment.
Section	on 5: Firefighting measures	
5.1	Extinguishing media:	This product is not flammable. Use fire-extinguishing media appropriate for the surrounding materials.
5.1a	Suitable extinguishing media:	Water spray, foam, dry powder, or carbon dioxide.
5.1b	Unsuitable extinguishing media:	None known.
5.2	Special hazards arising from the substance or mixture:	This product is a liquid and is not flammable. Product is not explosive No dangerous reactions known under normal conditions of use.
5.2a	Hazardous combustion products:	In case of fire, toxic gases may be formed of carbon monoxide (CO), carbon dioxide (CO <sub>2</sub> ; COx), and nitrous gases (NOx). None under normal conditions.
5.2b	Unusual fire & explosion hazards:	No unusual fire or explosion hazards noted.
5.2c	Protective measures in fire:	Use protective equipment appropriate for surrounding materials.

Antigen-Down HRP Conjugate Stabilizer, 5X SDS; Doc# F17-586-2-D; Effective: 03/03/2020; Supersedes: F17-586-2-C; Page 3 of 7 Advice for firefighters: 5.3 5.3a Special firefighting procedures: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. 5.3b Special protective equipment and precautions for Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing appartus and firefighters: protective suit (see Section 8). Section 6: Accidental release measures Personal precautions, protective equipment, and Use protective equipment appropriate for surrounding materials. emergency procedures: 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8). 6.1b Advice for non-emergency personnel; personal No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective precautions, protective equipment and emergency clothing, gloves, eye, and face protection to avoid contact with skin, procedures: eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Ensure adequate ventilation and control mist. Avoid breathing vapors, mist, or spray. Evacuate personnel to safe areas. Wear suitable protective clothing. gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned. 6.1c Advice for emergency responders; personal Wear suitable protective clothing, gloves and eye or face protection to precautions, protective equipment and emergency avoid contact; use an approved supplied-air respirator, in case of procedures: emergency (also refer to Section 8). 6.2 **Environmental precautions:** Do not allow to enter drains, sewers, or watercourses. May be harmful to the environment if large amounts are released. 6.3 Methods and materials for containment and Contain any spills with dikes or absorbent materials to prevent clean up: migration and entry into sewers or water sources. Use a licensed waste disposal contractor for disposal (see Section 13). Wash spill area thoroughly with plenty of soap and water. Avoid contact with skin or inhalation of spillage or vapor. 6.4 Refer to Sections 8 and 13 for additional information. Reference to other sections: Section 7: Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and 7.1 understood. Avoid creation of aerosols and mist. Avoid inhalation of vapors or mist. Prevent contact with skin and eyes. Use appropriate personal protection equipment (PPE). Thoroughly wash hands and contaminated areas with water and soap before leaving the work site. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. 7.1a Prevent handling of incompatible substances or Avoid contact with strong acids and strong oxidizers. 7.1b Do not eat, drink, or smoke in work areas. Wash hands after use. Advice on general occupational hygiene: Remove contaminated clothing and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.2 Refer to product label. Store in cool place. Keep container tightly Conditions for safe storage, including any incompatibilities: closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses. 7.3 Specific end use(s): Product intended for research use or for further manufacturing into in vitro diagnostics reagents only. Not intended for use in human or therapeutics purposes. Section 8: Exposure controls/personal protection 8.1 **Control parameters:** 8.1a Occupational exposure limits, such as chemical Not applicable. identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limit), etc.: WEL = Workplace Exposure Limit. Sk =

Wear gloves, protective goggles, and lab coat.

can be absorbed through skin.

protective equipment:

Appropriate engineering controls:

Individual protection measures, such as personal

8.1b

8.1c

Antigen-Down HRP Conjugate Stabilizer, 5X SDS; Doc# F17-586-2-D; Effective: 03/03/2020; Supersedes: F17-586-2-C; Page 4 of 7 8.1d Safety symbols: 8.2 **Exposure controls:** 8.2a Process conditions: Provide eyewash station. 8.2b Engineering controls: Ensure that eyewash stations and safety showers are proximal to the workstation location. 8.2c Ventilation controls: Provide adequate ventilation. Refer to Section 5 for additional information. 8.2d Reference to other sections: 8.2e Eye/face protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. Wear apron or protective clothing in case of contact. 8.2f Skin protection: Use suitable protective gloves if risk of skin contact. 8.2g Hand protection: 8.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Other protection: 8.2i Wear appropriate clothing to avoid skin contact. DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift 8.2j Hygiene measures: and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated. 8.2k Thermal hazards: None known under normal conditions of use. 8.21 Environmental exposure controls: Not determined. Section 9: Physical and chemical properties Information on basic physical and chemical 9.1 properties: 9.1a Appearance (physical state, color, etc.): Liquid; clear to light yellow. 9.1b No specific data. Odor: 9.1c Odor threshold: Not determined. 9.1d pH: 7.2-7.6 Melting point/freezing point (°C): Not determined. 9.1e 9.1f Initial boiling point and boiling range: <100°C @ 760 mm Hg. 9.1g Flash point (°C): Not determined. 9.1h Evaporation rate: Not determined. Flammability (solid, gas): 9.1i Not determined. 9.1j Upper/lower flammability or explosive limits: Not determined. 9.1k Vapor pressure: Not determined. 9.11 Vapor density (Air =1): Not determined. 9.1m Relative density: Not determined. Solubility(ies): 9.1n Soluble in water. Partition coefficient (N-octanol/water): 9.10 Not determined. Auto-ignition temperature (°C): 9.1p Not determined. Decomposition temperature (°C): 9.1q Not determined. 9.1r Viscosity: Not determined. 9.1s Explosive properties: Not determined. 9.1t Oxidizing properties: Not determined. Other information: None. 9.2 None. 9.2a Other physical or chemical parameters: Section 10: Stability and reactivity No data available. 10.1 Reactivity: 10.2 Chemical stability: Stable under normal temperature conditions. Possibility of hazardous reactions: 10.3 Hazardous polymerization: will not polymerize. 10.4 Conditions to avoid: To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. 10.5 Incompatible materials: Strong oxidizing substances. Strong reducing agents. Amines. Mercaptans (thiols). 10.6 Hazardous decomposition products: None under normal conditions. **Section 11: Toxicological information** 11.1 Information on toxicological effects:

Antigen-Down HRP Conjugate Stabilizer, 5X SDS; Doc# F17-586-2-D; Effective: 03/03/2020; Supersedes: F17-586-2-C; Page 5 of 7 Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-11.1a Name: 2H-isothiazol-3-one (3:1). 11.1b Acute toxicity: Oral LD50 53 mg/kg rat. Dermal LD50: 2800 mg/kg rabbit. 11.1c Skin corrosion/irritation: Severe Irritant – Skin test, Human, 0.01 Percent exposure. 11.1d Serious eye damage/irritation: Not determined. 11.1e Respiratory or skin sensitization: Not determined. 11.1f Germ cell mutagenicity: Not determined. Carcinogenicity: Not determined. 11.1g 11.1h Reproductive toxicity: Not determined. 11.1i STOT-single exposure: Not determined. 11.1j STOT-repeated exposure: Not determined. Aspiration hazard: Not determined. 11.1k 11.11 Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): 11.1m No known effects noted. Ingestion: 11.1n Inhalation: No known effects noted. 11.10 Skin contact: Prolonged skin contact may cause mild irritation and/or redness. May cause sensitization by skin contact. Risk of sensitization or allergic reactions among sensitive individuals. Eye contact: 11.1p No known effects noted. Symptoms related to the physical, chemical and 11.1q May cause sensitization by skin contact. toxicological characteristics: 11.1r Delayed and immediate effects as well as chronic May elicit severe allergic response even at low concentrations for effects from short and long term exposure: those individuals that have been sensitized due to subsequent exposure(s). 11.1s Numerical measures of toxicity (such as acute Not determined. toxicity estimates): Not determined. 11.1t Interactive effects: 11.1u Absence of specific data: Not applicable. 11.1v Mixtures: Item is a mixture. 11.1w Mixture vs. substance information: See Section 3 for any substances in the mixture. 11.1x Classification by National Toxicity Program (NTP): Not classified. 11.1y Classification by International Agency for Research Not classified. on Cancer (IARC): 11.1z Classification by OSHA 13: Not classified. 11.1ab Other information: None.

12.1	Toxicity:	
12.1a	Name:	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-
		2H-isothiazol-3-one (3:1).
12.1b	Ecotoxicity (aquatic and terrestrial, where available):	Harmful to aquatic life with long-lasting effects.
12.2	Persistence and degradability:	There are no data on the degradability of this product.
12.3	Bioaccumulative potential:	No data available on bioaccumulation.
12.4	Mobility in soil:	Mobility in soil is unknown (the product is soluble in water).
12.5	Results of PBT and vPvB assessment:	Not determined.
12.6	Other adverse effects:	None known.

Section 13: Disposal considerations		
13.1 Waste treatment methods:	When handling waste, consideration should be made to the safety precautions applying to handling of the product.	
13.1a Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:	Dispose of waste and residues in accordance with local authority requirements. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (exposure controls and personal protection) of the SDS. Consult a licensed waste contractor for disposal.	

14.1	UN number:	Not applicable.
14.2	UN proper shipping name:	Not applicable.
14.3	Transport hazard class(es):	Not applicable.
14.4	Packing group:	Not applicable.
14.5	Environmental hazards:	
14.5a	Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?:	No.
14.5b	Is it a marine pollutant according to the IMDG code?:	No.
14.6	Special precautions for user:	None known.

Antigen-Down HRP Conjugate Stabilizer, 5X SDS; Doc# F17-586-2-D; Effective: 03/03/2020; Supersedes: F17-586-2-C; Page 6 of 7 14.7 Transport in bulk according to Annex II of Not applicable. MARPOL and the IBC code: Other information: The product is not considered a dangerous good for transport. 14.7a 14.7b Classification for other modes of transport: Contact supplier. Section 15: Regulatory information Safety, health and environmental 15.1 regulations/legislation specific for the substance or mixture: 15.1a Regional safety, health and environmental regulations specific for the product in question: 15.1b USA SARA Components (such as 302/311/313): Not listed. 15.1c USA Massachusetts Right to Know: Not listed. 15.1d USA Pennsylvania Right to Know: Not listed. 15.1e USA New Jersey Right to Know: Not listed. 15.1f USA California Prop. 65 Components: Not listed. EU Regulation 1907/2006 {REACH}: 15.1g Not listed. Annex XIV substances subject to authorization: 15.1h Not listed. Substances of very high concern: 15.1i Not listed. Approved code of practice: Classification and labeling of substances and preparations dangerous 15.1i for supply. Safety data sheets for substances and preparations. 15.1k Guidance notes: Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of 15.11 EU legislation references: substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 15.2 Chemical safety assessment: Not required. 15.2a Other regulatory information: SDS complies with Health Canada WHMIS 2015 requirements. **Section 16: Other information** 16.1 Other information: 03/03/2020 16.1a Date of revision: SDS number and revision: F17-586-2 Version D 16.1b Supersedes SDS number and revision: 16.1c F17-586-2 Version C Changes made to the previous version of the SDS: 16.1d Reviewed and updated information related to ProClin 300; updated for Health Canada; updated document control numbers. 16.1e Key/legend to abbreviations and acronyms used in ACGIH American Conference of Governmental Industrial Hygienists. the SDS: ADN European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway. ADR The European Agreement concerning the International Carriage of Dangerous Goods by Road. ATE Acute Toxicity Estimate. BCF Bio Concentration Factor. CAS Chemical Abstracts Service. CLP Classification, Labelling and Packaging. CMR Carcinogen, Mutagen or Reproductive toxicant. COD Chemical Oxygen Demand. EC European Commission. EC50 Half maximal effective concentration. EH40 Resource containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations. EINECS European Inventory of Existing Commercial chemical Substances. ELINCS European List of Notified Chemical Substances. EU European Union. GHS Globally Harmonized System of Classification and Labelling of Chemicals. H Statement GHS Hazard statement. IATA International Air Transport Association. IBC Intermediate Bulk Container. IC50 Half maximal inhibitory concentration. IMDG International Maritime Dangerous Goods. LC50 Median lethal concentration. LD50 Median lethal dose.

LogPow logarithm of the octanol/water partition coefficient.

DISCLAIMER:	in combination with any other materials knowledge and belief, accurate and relia	cific material designated and may not be valid for such material used or in any process. Such information is, to the best of the company's able as of the date indicated. However, no warranty guarantee or reliability, or completeness. It is the user's responsibility to satisfy rmation for his own particular use.
stateme	xt of hazard statements and precautionary nents not written out in full elsewhere:	All statements are written out in full.
		MARPOL 73/78 International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  OEL Occupational Exposure Limit. OSHA Occupational Safety and Health Administration (USA). PBT Persistent, Bioaccumulative, and Toxic. PEL Permissible Exposure Limit. RID The Regulations concerning the International Carriage of Dangerous Goods by Rail. SADT Self-Accelerating Decomposition Temperature. SARA Superfund Amendments and Reauthorization Act. SCBA Self-Contained Breathing Apparatus. SDS Safety Data Sheet. STOT Specific Target Organ Toxicity. STOT-RE Specific Target Organ Toxicity - Repeated Exposure. STOT-SE Specific Target Organ Toxicity - Single Exposure. UN United Nations. USA United States of America. vPvB very Persistent very bioaccumulative. WHMIS Workplace Hazardous Materials Information System.

END OF SDS



# SAFETY DATA SHEET (SDS) according to Regulation (EC) No. 830/2015 amending 1907/2006

.1a	Product identifier:	ELISA Wash Buffer, 10X
	Other means of identification:	,
.1b	Alternative product name(s)/ synonyms:	10X WB1; WB1; WB; EWB; ELISA Wash Buffer.
.1c	Product number/Catalog #(s):	527, 650, 651, 652, 676
1d	Internal identification:	ELISA Wash Buffer; WB1
.2	Relevant identified uses of the substance or	Product intended for research use or for further manufacturing into <i>in</i>
. 2	mixture and uses advised against:	vitro diagnostics reagents only. Not intended for use in human or
	illixture and uses advised against.	therapeutics purposes.
2-	Duief description of what the substance or minture is	A buffered solution designed to remove unbound components from
.2a	Brief description of what the substance or mixture is	
	intended to do:	ELISA plates.
.3	Details of the supplier of the SDS:	
.3a	Name:	ImmunoChemistry Technologies, LLC (ICT)
.3b	Address:	9401 James Avenue South, Suite 155
.3c	City, State, Zip, Country	Bloomington, MN 55431-2500 USA
.3d	Phone number:	1-800-829-3194 and 952-888-8788
.3e	Fax number:	952-888-8988
.3f	Website:	www.immunochemistry.com
.3g	Email:	help@immunochemistry.com
.3g .3h	Contact person at ICT:	Quality Documentation Department
.311 . <b>4</b>	Emergency telephone number:	ICT: 1-800-829-3194 (USA & Canada) or 952-888-8788 world wide;
.4	Emergency telephone number:	
		ICT hours are 9 am-5 pm central time USA, Monday through Friday
		(excluding holidays). Chemtrec 24-hour access within USA and
		Canada: 1-800-424-9300 or +1 703-527-3887. Collect calls accepted
	on 2: Hazards identification	
.1	Classification of the substance or mixture:	
.1a	Product is a:	Mixture.
.1b	Classification according to (EC) No. 1272/2008	Skin Sens. 1, H317 May cause an allergic skin reaction.
	{CLP}:	Julia Solici I, Ilo II may sauss all alloigis silli isassisil
2.1c	The most important adverse physiochemical, human	Refer to Sections 9-12.
10	health, and environmental effects:	110101 10 00010110 0 12.
2.2	Label elements:	
2.2a	GHS label elements, including precautionary	•
	statements:	
2.2b	Contains:	≤ 1% 2-Chloroacetamide
.2c	Labeling in accordance with (EC) No. 1272/2008:	,
24		
2.2d	Hazard Pictograms (Hazard Symbols):	
2.2d	Hazard Pictograms (Hazard Symbols):	GHS07 Exclamation mark.
	Signal word:	GHS07 Exclamation mark. Warning.
2.2e	Signal word:	Warning.
2.2e 2.2f	Signal word: Hazard statements:	Warning. H317 May cause an allergic skin reaction.
2.2d 2.2e 2.2f 2.2g	Signal word:	Warning. H317 May cause an allergic skin reaction. P261 Avoid breathing mist, vapors, or spray.
2.2e 2.2f	Signal word: Hazard statements:	Warning. H317 May cause an allergic skin reaction. P261 Avoid breathing mist, vapors, or spray. P280 Wear protective gloves, protective clothing, eye protection, and
2.2e 2.2f	Signal word: Hazard statements:	Warning. H317 May cause an allergic skin reaction. P261 Avoid breathing mist, vapors, or spray. P280 Wear protective gloves, protective clothing, eye protection, and face protection.
.2e .2f	Signal word: Hazard statements:	Warning. H317 May cause an allergic skin reaction. P261 Avoid breathing mist, vapors, or spray. P280 Wear protective gloves, protective clothing, eye protection, and face protection. P302+P352 If on skin: Wash with plenty of water and soap.
2.2e 2.2f 2.2g	Signal word: Hazard statements: Precautionary statements:	Warning. H317 May cause an allergic skin reaction. P261 Avoid breathing mist, vapors, or spray. P280 Wear protective gloves, protective clothing, eye protection, and face protection. P302+P352 If on skin: Wash with plenty of water and soap. P333+P313 If skin irritation or rash occurs: Get medical attention.
2.2e 2.2f 2.2g	Signal word: Hazard statements:	Warning. H317 May cause an allergic skin reaction. P261 Avoid breathing mist, vapors, or spray. P280 Wear protective gloves, protective clothing, eye protection, and face protection. P302+P352 If on skin: Wash with plenty of water and soap. P333+P313 If skin irritation or rash occurs: Get medical attention. P272 Contaminated work clothing should not be allowed out of the
2.2e 2.2f 2.2g	Signal word: Hazard statements: Precautionary statements:	Warning. H317 May cause an allergic skin reaction. P261 Avoid breathing mist, vapors, or spray. P280 Wear protective gloves, protective clothing, eye protection, and face protection. P302+P352 If on skin: Wash with plenty of water and soap. P333+P313 If skin irritation or rash occurs: Get medical attention. P272 Contaminated work clothing should not be allowed out of the workplace.
2.2e 2.2f 2.2g	Signal word: Hazard statements: Precautionary statements:	Warning. H317 May cause an allergic skin reaction. P261 Avoid breathing mist, vapors, or spray. P280 Wear protective gloves, protective clothing, eye protection, and face protection. P302+P352 If on skin: Wash with plenty of water and soap. P333+P313 If skin irritation or rash occurs: Get medical attention. P272 Contaminated work clothing should not be allowed out of the workplace.
2.2e 2.2f	Signal word: Hazard statements: Precautionary statements:	Warning. H317 May cause an allergic skin reaction. P261 Avoid breathing mist, vapors, or spray. P280 Wear protective gloves, protective clothing, eye protection, and face protection. P302+P352 If on skin: Wash with plenty of water and soap. P333+P313 If skin irritation or rash occurs: Get medical attention. P272 Contaminated work clothing should not be allowed out of the workplace. P363 Wash contaminated clothing before reuse.
2.2e 2.2f 2.2g	Signal word: Hazard statements: Precautionary statements:	Warning. H317 May cause an allergic skin reaction. P261 Avoid breathing mist, vapors, or spray. P280 Wear protective gloves, protective clothing, eye protection, and face protection. P302+P352 If on skin: Wash with plenty of water and soap. P333+P313 If skin irritation or rash occurs: Get medical attention. P272 Contaminated work clothing should not be allowed out of the workplace. P363 Wash contaminated clothing before reuse. P405 Store locked up.
2.2e 2.2f 2.2g	Signal word: Hazard statements: Precautionary statements:	Warning.  H317 May cause an allergic skin reaction.  P261 Avoid breathing mist, vapors, or spray.  P280 Wear protective gloves, protective clothing, eye protection, and face protection.  P302+P352 If on skin: Wash with plenty of water and soap.  P333+P313 If skin irritation or rash occurs: Get medical attention.  P272 Contaminated work clothing should not be allowed out of the workplace.  P363 Wash contaminated clothing before reuse.  P405 Store locked up.  P501 Dispose of contents/container in accordance with local
2e 2f 2g	Signal word: Hazard statements: Precautionary statements:  Supplementary precaution statements:	Warning. H317 May cause an allergic skin reaction. P261 Avoid breathing mist, vapors, or spray. P280 Wear protective gloves, protective clothing, eye protection, and face protection. P302+P352 If on skin: Wash with plenty of water and soap. P333+P313 If skin irritation or rash occurs: Get medical attention. P272 Contaminated work clothing should not be allowed out of the workplace. P363 Wash contaminated clothing before reuse. P405 Store locked up. P501 Dispose of contents/container in accordance with local regulations.
2.2e 2.2f 2.2g 2.2h	Signal word: Hazard statements: Precautionary statements:  Supplementary precaution statements:  Other hazards:	Warning.  H317 May cause an allergic skin reaction.  P261 Avoid breathing mist, vapors, or spray.  P280 Wear protective gloves, protective clothing, eye protection, and face protection.  P302+P352 If on skin: Wash with plenty of water and soap.  P333+P313 If skin irritation or rash occurs: Get medical attention.  P272 Contaminated work clothing should not be allowed out of the workplace.  P363 Wash contaminated clothing before reuse.  P405 Store locked up.  P501 Dispose of contents/container in accordance with local regulations.  No additional information available.
2.2e 2.2f 2.2g 2.2g	Signal word: Hazard statements: Precautionary statements:  Supplementary precaution statements:	Warning. H317 May cause an allergic skin reaction. P261 Avoid breathing mist, vapors, or spray. P280 Wear protective gloves, protective clothing, eye protection, and face protection. P302+P352 If on skin: Wash with plenty of water and soap. P333+P313 If skin irritation or rash occurs: Get medical attention. P272 Contaminated work clothing should not be allowed out of the workplace. P363 Wash contaminated clothing before reuse. P405 Store locked up. P501 Dispose of contents/container in accordance with local regulations.

ELISA Wash Buffer, 10X SDS; Doc# F17-527-2-E; Effective: 03/04/2020; Supersedes: F17-527-2-D; Page 2 of 7

3.1	Substance:	л эрэ; рос# r1/-52/-2-E; E		Supersedes: F17-527-2-D; Page 2 of 7 nerefore Section 3.1 is not applicable; see Section
3.2	Mixture:		Item is a mixture.	
	The chemical identity and coconcentration ranges of all in	ngredients which are		
	hazardous and are present a	above their cut-off levels:		
	3.2a Chemical identity:		2-Chloroacetamide	
	3.2b Common name, synony	yms, etc.:	2-Chloracetamide;	
	3.2c CAS number and other unique identifiers:	3.2d EC number:	3.2e % Concentration:	3.2f Classification according to (EC) No. 1272/2008 {CLP}:
	79-07-2	201-174-2	≤ 1%	Acute Tox. 3, H301 Toxic if swallowed. Skin Sens. 1, H317 May cause an allergic skin reaction. Repr. 2, H361 (fertility) Suspected of damaging
0.0	Other information on the arrive	4	News	fertility or the unborn child.
3.2u	Other information on the mix	kture:	None.	
	on 4: First aid measures		T	
4.1	Description of first aid me	asures:	information. Wash	nedical attention and provide physician with SDS contaminated clothing before reuse. Never give to an unconscious person.
4.1a	Inhalation:		Remove to fresh a breathing. If not breathing	ir and keep at rest in a comfortable position for eathing, give artificial respiration. Rinse nose and Get medical attention if any discomfort continues.
4.1b	Skin contact:		Wash skin thoroug continue to rinse for	hly with soap and water for several minutes; or at least 15 minutes. Remove any contaminated and wash thoroughly before reuse. Get medical
4.1c	Eye contact:		attention if any disc Promptly wash eye sure to remove any Continue to rinse for	comfort continues.  es with plenty of water while lifting the eyelids. Make y contact lenses from the eyes before rinsing.  or at least 15 minutes. Get medical attention if any
4.1d	Ingestion:		discomfort continues.  NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DF FLUIDS! Rinse mouth thoroughly. Do not induce vomiting with advice from poison control center or medical professional. Ge	
4.2	Most important symptoms and delayed:	and effects, both acute	attention if any disc	comfort continues.
4.2a	Inhalation:		None known.	
4.2b	Skin contact:			clude irritation or redness.
4.2c	Eye contact:		None known.	
4.2d <b>4.3</b>	Ingestion: Indication of any immediates special treatment needed:		None known.  No additional inform	mation available.
4.3a	Notes to physician/first response	onder:	Treat symptomatic protective equipme	ally. Refer to Sections 5-8 for advice on personal ent.
Contin	on 5: Firefighting measures			
5.1	Extinguishing media:			flammable. Use fire-extinguishing media surrounding materials.
5.1a	Suitable extinguishing med		Water spray, foam	, dry powder, or carbon dioxide.
5.1b	Unsuitable extinguishing m		None known.	
5.2	Special hazards arising fi mixture:	rom the substance or		flammable. Product is not explosive. No dangerous nder normal conditions of use.
5.2a	Hazardous combustion pro	ducts:	In case of fire, toxi	c gases may be formed of carbon monoxide (CO), D <sub>2</sub> ; COx), and nitrous gases (NOx). None under
5.2b	Unusual fire & explosion ha	azards:		explosion hazards noted.
5.2c	Protective measures in fire			ipment appropriate for surrounding materials.
5.3	Advice for firefighters:			
5.3a	Special firefighting procedu	ures:		r fog for cooling exposed containers. Exercise ing any chemical fire. Do not dispose of fire-fighting nment.
5.3b	Special protective equipme firefighters:	ent and precautions for	Do not enter fire ar	rea without proper protective equipment, including ion. Wear self-contained breathing appartus and
Section	on 6: Accidental release mea	SIII	·	
6.1	Personal precautions, pre		Use protective equ	ipment appropriate for surrounding materials.
V. I	emergency procedures:	otootivo equipinent, and	230 proteotive equ	inprinent appropriate for surrounding materials.

ELISA Wash Buffer, 10X SDS; Doc# F17-527-2-E; Effective: 03/04/2020; Supersedes: F17-527-2-D; Page 3 of 7

	ELISA Wash Buffer, 10X SDS; DOC# F17-527-2-E; E	-ffective: 03/04/2020; Supersedes: F17-527-2-D; Page 3 of 7
6.1a	General release measures:	No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult
		professional emergency personnel if concerned (see Section 8).
6.1b	Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures:	No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing, gloves, eye, and face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator,
		in case of emergency (also refer to Section 8). Ensure adequate ventilation and control mist. Avoid breathing vapors, mist, or spray. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.
6.1c	Advice for emergency responders; personal precautions, protective equipment and emergency procedures:	Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8).
6.2	Environmental precautions:	Do not allow to enter drains, sewers, or watercourses.
6.3	Methods and materials for containment and clean up:	Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Use a licensed waste disposal contractor for disposal (see Section 13). Wash spill area thoroughly with plenty of soap and water. Avoid contact with skin or inhalation of spillage or vapor.
6.4	Reference to other sections:	Refer to Sections 8 and 13 for additional information.
Section	n 7: Handling and storage	
7.1	Precautions for safe handling:	Do not handle until all safety precautions have been read and
		understood. Avoid creation of aerosols or mist. Avoid inhalation of vapors or mist. Prevent contact with skin and eyes. Use appropriate personal protection equipment (PPE). Thoroughly wash hands and
		contaminated areas with water and soap before leaving the work site. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.
7.1a	Prevent handling of incompatible substances or mixtures:	Avoid contact with strong acids and strong oxidizers.
7.1b	Advice on general occupational hygiene:	Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices.
7.2	Conditions for safe storage, including any incompatibilities:	Refer to product label. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses.
7.3	Specific end use(s):	Product intended for research use or for further manufacturing into <i>in vitro</i> diagnostics reagents only. Not intended for use in human or therapeutics purposes.
Section	n 8: Exposure controls/personal protection	
8.1	Control parameters:	
8.1a	Occupational exposure limits, such as chemical identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limit), etc.: WEL = Workplace Exposure Limit. Sk = can be absorbed through skin.	2-Chloroacetemide, no known exposure limits.
8.1b	Appropriate engineering controls:	
8.1c	Individual protection measures, such as personal protective equipment:	Wear gloves, protective goggles, and lab coat.
8.1d	Safety symbols:	
8.2	Exposure controls:	
8.2a 8.2b	Process conditions: Engineering controls:	Provide eyewash station.  Ensure that eyewash stations and safety showers are proximal to the workstation location.
8.2c	Ventilation controls:	Provide adequate ventilation.
8.2d 8.2e	Reference to other sections:  Eye/face protection:	Refer to Section 5 for additional information.  Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing.
8.2f	Skin protection:	Wear apron or protective clothing in case of contact.

ELISA Wash Buffer, 10X SDS; Doc# F17-527-2-E; Effective: 03/04/2020; Supersedes: F17-527-2-D; Page 4 of 7

		; Effective: 03/04/2020; Supersedes: F17-527-2-D; Page 4 of 7
8.2g	Hand protection:	Use suitable protective gloves if risk of skin contact.
8.2h	Respiratory equipment:	Where risk assessment shows air-purifying respirators are appropriate
		use a full-face respirator with multi-purpose combination (US) or type
		ABEK (EN 14387) respirator cartridges as a backup to engineering
		controls. If the respirator is the sole means of protection, use a full-face
		supplied air respirator. Use respirators and components tested and
		approved under appropriate government standards such as NIOSH
		(US) or CEN (EU).
8.2i	Other protection:	
	Other protection:	Wear appropriate clothing to avoid skin contact.
8.2j	Hygiene measures:	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift
		and before eating, smoking, and using the toilet. Promptly remove any
		clothing that becomes contaminated. Use appropriate skin cream to
		prevent drying of skin. When using do not eat, drink, or smoke. Wash
		promptly with soap and water if skin becomes contaminated
0.014	The second here and a	
8.2k	Thermal hazards:	None known under normal conditions of use.
8.21	Environmental exposure controls:	Not determined.
Section	n 9: Physical and chemical properties	
9.1	Information on basic physical and chemical	
3.1		•
	properties:	
9.1a	Appearance (physical state, color, etc.):	Liquid; colorless.
9.1b	Odor:	No specific data.
9.1c	Odor threshold:	Not determined.
9.1d	pH:	6.8-7.0
9.1e	Melting point/freezing point (°C):	Not determined.
9.1f	Initial boiling point and boiling range:	<100°C @ 760 mm Hg.
9.1g	Flash point (°C):	Not determined.
9.1h	Evaporation rate:	Not determined.
9.1i	Flammability (solid, gas):	Not determined.
9.1j	Upper/lower flammability or explosive limits:	Not determined.
9.1k	Vapor pressure:	Not determined.
9.11	Vapor density (Air =1):	Not determined.
9.1m	Relative density:	Not determined.
9.1n	Solubility(ies):	Soluble in water.
9.10	Partition coefficient (N-octanol/water):	Not determined.
9.1p	Auto-ignition temperature (°C):	Not determined.
	D ::: 1 (°C)	Not determined.
	Decomposition temperature (C):	i Noi determined.
9.1q	Decomposition temperature (°C):	
9.1q 9.1r	Viscosity:	Not determined.
9.1q 9.1r 9.1s	Viscosity: Explosive properties:	Not determined. Not determined.
9.1q 9.1r 9.1s 9.1t	Viscosity: Explosive properties: Oxidizing properties:	Not determined. Not determined. Not determined.
9.1q 9.1r 9.1s	Viscosity: Explosive properties:	Not determined. Not determined.
9.1q 9.1r 9.1s 9.1t <b>9.2</b>	Viscosity: Explosive properties: Oxidizing properties: Other information:	Not determined. Not determined. Not determined. None.
9.1q 9.1r 9.1s 9.1t	Viscosity: Explosive properties: Oxidizing properties:	Not determined. Not determined. Not determined.
9.1q 9.1r 9.1s 9.1t <b>9.2</b> 9.2a	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:	Not determined. Not determined. Not determined. None.
9.1q 9.1r 9.1s 9.1t <b>9.2</b> 9.2a <b>Section</b>	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:	Not determined. Not determined. Not determined. None. None.
9.1q 9.1r 9.1s 9.1t <b>9.2</b> 9.2a <b>Section</b> <b>10.1</b>	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity:	Not determined. Not determined. Not determined. None. None. None.
9.1q 9.1r 9.1s 9.1t <b>9.2</b> 9.2a <b>Section</b>	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:	Not determined. Not determined. Not determined. None. None. None.
9.1q 9.1r 9.1s 9.1t <b>9.2</b> 9.2a <b>Section</b> <b>10.1</b> <b>10.2</b>	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability:	Not determined. Not determined. Not determined. None. None. None.  No data available. Stable under normal temperature conditions.
9.1q 9.1r 9.1s 9.1t <b>9.2</b> 9.2a <b>Section</b> <b>10.1</b> <b>10.2</b> <b>10.3</b>	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions:	Not determined. Not determined. Not determined. None. None. None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize.
9.1q 9.1r 9.1s 9.1t <b>9.2</b> 9.2a <b>Section</b> <b>10.1</b> <b>10.2</b>	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability:	Not determined. Not determined. Not determined. None. None. None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or
9.1q 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2 10.3 10.4	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid:	Not determined. Not determined. Not determined. None. None.  None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light.
9.1q 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2 10.3 10.4	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials:	Not determined. Not determined. Not determined. None. None. None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids.
9.1q 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2 10.3 10.4	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials:	Not determined. Not determined. Not determined. None. None.  None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light.
9.1q 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2 10.3 10.4	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid:	Not determined. Not determined. Not determined. None. None. None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids.
9.1q 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2 10.3 10.4 10.5 10.6	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products:	Not determined. Not determined. Not determined. None. None. None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids.
9.1q 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2 10.3 10.4 10.5 10.6	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products:	Not determined. Not determined. Not determined. None. None. None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids.
9.1q 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2 10.3 10.4 10.5 10.6 Section 11.1	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects:	Not determined. Not determined. None. None.  None.  No data available.  Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.
9.1q 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2 10.3 10.4 10.5 10.6 Section 11.1 11.1a	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name:	Not determined. Not determined. Not determined. None. None. None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids.
9.1q 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2 10.3 10.4 10.5 10.6 Section 11.1	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name:	Not determined. Not determined. None. None.  None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.
9.1q 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2 10.3 10.4 10.5 10.6 Section 11.1 11.1a 11.1b	Viscosity:  Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity:	Not determined. Not determined. None. None.  None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  . 2-Chloroacetamide LD50 Oral Rat 138 mg/kg
9.1q 9.1r 9.1s 9.1s 9.2 9.2a Section 10.1 10.2 10.3 10.4 10.5 10.6 Section 11.1 11.1a 11.1b 11.1c	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation:	Not determined. Not determined. None. None.  None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known.
9.1q 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2 10.3 10.4 10.5 10.6 Section 11.1 11.1a 11.1b 11.1c 11.1d	Viscosity:  Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid:  Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation:	Not determined. Not determined. None. None. None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  . 2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known. Not known.
9.1q 9.1r 9.1s 9.1s 9.2 9.2a Section 10.1 10.2 10.3 10.4 10.5 10.6 Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1e	Viscosity:  Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid:  Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization:	Not determined. Not determined. None. None.  None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  . 2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known. Not known. Not determined.
9.1q 9.1r 9.1s 9.1t 9.2 9.2a Section 10.1 10.2 10.3 10.4 10.5 10.6 Section 11.1 11.1a 11.1b 11.1c 11.1d	Viscosity:  Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid:  Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation:	Not determined. Not determined. None. None. None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  . 2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known. Not known.
9.1q 9.1r 9.1s 9.1s 9.2 9.2a  Section 10.1 10.2 10.3 10.4  10.5 Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f	Viscosity:  Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid:  Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity:	Not determined. Not determined. None. None.  None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  . 2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known. Not known. Not determined. Not determined.
9.1q 9.1r 9.1s 9.1s 9.1t 9.2 9.2a  Section 10.1 10.2 10.3 10.4  10.5 Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g	Viscosity:  Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid:  Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity:	Not determined. Not determined. None. None. None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  . 2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known. Not known. Not determined. Not determined. Not determined. Not determined.
9.1q 9.1r 9.1s 9.1s 9.2 9.2a  Section 10.1 10.2 10.3 10.4  10.5 Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h	Viscosity:  Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid:  Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity:	Not determined. Not determined. None. None. None.  None.  No data available.  Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  . 2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known. Not known. Not determined.
9.1q 9.1r 9.1s 9.1s 9.2 9.2a  Section 10.1 10.2 10.3 10.4  10.5 10.6  Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i	Viscosity:  Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid:  Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure:	Not determined. Not determined. None. None. None. None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  . 2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known. Not known. Not determined.
9.1q 9.1r 9.1s 9.1s 9.1t 9.2 9.2a  Section 10.1 10.2 10.3 10.4  10.5 10.6  Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1c 11.1d 11.1d 11.1i 11.1j	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure:	Not determined. Not determined. None. None. None.  None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known. Not known. Not determined.
9.1q 9.1r 9.1s 9.1s 9.2 9.2a  Section 10.1 10.2 10.3 10.4  10.5 10.6  Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure:	Not determined. Not determined. None. None. None. None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  . 2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known. Not known. Not determined.
9.1q 9.1r 9.1s 9.1s 9.1t 9.2 9.2a  Section 10.1 10.2 10.3 10.4  10.5 10.6  Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1c 11.1d 11.1l 11.1l 11.1l 11.1l 11.1l 11.1l	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid:  Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard:	Not determined. Not determined. None. None. None.  None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known. Not known. Not determined.
9.1q 9.1r 9.1s 9.1s 9.1t 9.2 9.2a  Section 10.1 10.2 10.3 10.4  10.5 10.6  Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1c 11.1d 11.1d 11.1i 11.1j	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid:  Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure	Not determined. Not determined. None. None. None.  None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known. Not known. Not determined.
9.1q 9.1r 9.1s 9.1s 9.1t 9.2 9.2a  Section 10.1 10.2 10.3 10.4  10.5 10.6  Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1c 11.1d 11.1l 11.1l 11.1l 11.1l 11.1l 11.1l	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Not determined. Not determined. None. None. None.  None.  None.  Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known. Not known. Not determined.
9.1q 9.1r 9.1s 9.1s 9.1t 9.2 9.2a  Section 10.1 10.2 10.3 10.4  10.5 10.6  Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1c 11.1d 11.1d 11.1f 11.1f 11.1l 11.1l 11.1l 11.1l 11.1l	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion:	Not determined. Not determined. None. None. None.  No data available. Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known. Not known. Not determined.
9.1q 9.1r 9.1s 9.1s 9.1t 9.2 9.2a  Section 10.1 10.2 10.3 10.4  10.5 10.6  Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1c 11.1d 11.1d 11.1l 11.1l 11.1l 11.1l 11.1l	Viscosity: Explosive properties: Oxidizing properties: Other information: Other physical or chemical parameters:  10: Stability and reactivity Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products:  11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Not determined. Not determined. None. None. None.  None.  None.  Stable under normal temperature conditions. Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong oxidizing substances. Strong reducing agents. Strong acids. None under normal conditions.  2-Chloroacetamide LD50 Oral Rat 138 mg/kg Not known. Not known. Not determined.

ELISA Wash Buffer, 10X SDS; Doc# F17-527-2-E; Effective: 03/04/2020; Supersedes: F17-527-2-D; Page 5 of 7

	i i	nective: 03/04/2020; Supersedes: F17-527-2-D; Page 5 01 7
11.10	Skin contact:	Prolonged skin contact may cause mild irritation and/or redness. May
		cause sensitization by skin contact. Risk of sensitization or allergic
		reactions among sensitive individuals.
11.1p	Eye contact:	No known effects noted.
11.1q	Symptoms related to the physical, chemical and	Symptoms may include irritation or redness.
11.14		Cymptoms may include imation of redness.
44.4	toxicological characteristics:	
11.1r	Delayed and immediate effects as well as chronic	May elicit severe allergic response even at low concentrations for
	effects from short and long term exposure:	those individuals that have been sensitized due to subsequent
l		exposure(s).
11.1s	Numerical measures of toxicity (such as acute	Not determined.
	toxicity estimates):	1101 0010111111001
11.1t	Interactive effects:	Not determined.
11.1u	Absence of specific data:	Not applicable.
11.1v	Mixtures:	Item is a mixture.
11.1w	Mixture vs. substance information:	See Section 3 for any substances in the mixture.
11.1x	Classification by National Toxicity Program (NTP):	Not classified.
11.1y	Classification by International Agency for Research	Not classified.
,	on Cancer (IARC):	
11.1z	Classification by OSHA 13:	Not classified.
11.12		
11.180	Other information.	None.
	n 12: Ecological information	
12.1	Toxicity:	
12.1a	Name:	2-Chloroacetamide
12.1b	Ecotoxicity (aquatic and terrestrial, where available):	2-Chloroacetemide: LC 50, 96 hrs, fish mg/l: Carassius auratus
12.10	Leotoxiony (aquatio and terrestrial, where available).	(goldfish) – 19.8 mg/l; EC 50, 48 hrs, Daphnia, mg/l: Daphnia magna
	B 14 11 11 11 11 11 11 11 11 11 11 11 11	(water flea) – 14.0 mg/l
12.2	Persistence and degradability:	There are no data on the degradability of this product.
12.3	Bioaccumulative potential:	No data available on bioaccumulation.
12.4	Mobility in soil:	Mobility in soil is unknown (the product is soluble in water).
12.5	Results of PBT and vPvB assessment:	Not determined.
12.6	Other adverse effects:	None known.
12.0	Cirior daverse circote.	THORE INTO WITE
Cootion	n 40. Diamanal canaidarations	
	n 13: Disposal considerations	
13.1	Waste treatment methods:	When handling waste, consideration should be made to the safety
		precautions applying to handling of the product.
13.1a	Description of waste residues and information on	Dispose of waste and residues in accordance with local authority
	their safe handling and methods of disposal,	requirements. For the safety of persons conducting disposal, recycling
	including the disposal of any contaminated	or reclamation activities, please refer to the information in Section 8
	packaging:	(exposure controls and personal protection) of the SDS. Consult a
	paokaging.	licensed waste contractor for disposal.
		ilicensed waste contractor for disposal.
0	. 44. T	
	n 14: Transport information	
14.1	UN number:	Not applicable.
14.2	UN proper shipping name:	Not applicable.
14.3	Transport hazard class(es):	Not applicable.
14.4	Packing group:	Not applicable.
14.5	Environmental hazards:	11 ****
14.5a	Is it environmentally dangerous according to UN	No.
14.58		INU.
	Model Regulations (IMDG Code, ADR, RID, and	
	ADN)?:	
14.5b	Is it a marine pollutant according to the IMDG	No.
	code?:	
14.6	Special precautions for user:	None known.
14.7	Transport in bulk according to Annex II of	Not applicable.
14.7		ivot applicable.
44-	MARPOL and the IBC code:	
14.7a	Other information:	The product is not considered a dangerous good for transport.
14.7b	Classification for other modes of transport:	Contact supplier.
Section	n 15: Regulatory information	
15.1		
	Safety, health and environmental	
	Safety, health and environmental	·
	regulations/legislation specific for the substance	·
	regulations/legislation specific for the substance or mixture:	
15.1a	regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental	
	regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:	
	regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental	. Not listed.
15.1a 15.1b	regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):	Not listed.
15.1a 15.1b 15.1c	regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:	Not listed. Not listed.
15.1a 15.1b 15.1c 15.1d	regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:	Not listed. Not listed. Not listed.
15.1a 15.1b 15.1c 15.1d 15.1e	regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:	Not listed. Not listed. Not listed. Not listed. Not listed.
15.1a 15.1b 15.1c 15.1d 15.1e 15.1f	regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:  USA California Prop. 65 Components:	Not listed. Not listed. Not listed. Not listed. Not listed. Not listed.
15.1a 15.1b 15.1c 15.1d 15.1e	regulations/legislation specific for the substance or mixture:  Regional safety, health and environmental regulations specific for the product in question:  USA SARA Components (such as 302/311/313):  USA Massachusetts Right to Know:  USA Pennsylvania Right to Know:  USA New Jersey Right to Know:	Not listed. Not listed. Not listed. Not listed. Not listed.

ELISA Wash Buffer, 10X SDS; Doc# F17-527-2-E; Effective: 03/04/2020; Supersedes: F17-527-2-D; Page 6 of 7

15 1h		ffective: 03/04/2020; Supersedes: F17-527-2-D; Page 6 of 7
15.1h 15.1i	Annex XIV substances subject to authorization: Substances of very high concern:	Not listed.  Not listed.
15.11 15.1j	Approved code of practice:	Classification and labeling of substances and preparations dangerous
10.1	Approved code of practice.	for supply. Safety data sheets for substances and preparations.
15.1k	Guidance notes:	Workplace exposure limits EH40.
15.11	EU legislation references:	(EC) No. 1272/2008 on the classification, labelling and packaging of
	ŏ	substances and mixtures (CLP Regulation). EC 830/2015. Regulation
		(EC) No 1907/2006 of the European Parliament and of the Council of
		18 December 2006 concerning the Registration, Evaluation,
		Authorisation and Restriction of Chemicals (REACH), establishing a
		European Chemicals Agency, amending Directive 1999/45/EC and
		repealing Council Regulation (EEC) No 793/93 and Commission
		Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC
		and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and
45.0	Chamical assets assessment	2000/21/EC, including amendments.
<b>15.2</b> 15.2a	Chemical safety assessment: Other regulatory information:	Not required.  SDS complies with Health Canada WHMIS 2015 requirements.
15.Za	Other regulatory information.	SDS complies with Health Canada Whithis 2013 requirements.
Section	16: Other information	
16.1	Other information:	
16.1a	Date of revision:	03/04/2020
16.1b	SDS number and revision:	F17-527-2 Version E
16.1c	Supersedes SDS number and revision:	F17-527-2 Version D
16.1d	Changes made to the previous version of the SDS:	Reviewed and updated hazard information; updated product use
		statement; updated for Health Canada; updated document control
		numbers.
16.1e	Key/legend to abbreviations and acronyms used in	ACGIH American Conference of Governmental Industrial Hygienists.
	the SDS:	ADN European Provisions concerning the International Carriage of
		Dangerous Goods by Inland Waterway.
		ADR The European Agreement concerning the International Carriage
		of Dangerous Goods by Road.
		ATE Acute Toxicity Estimate.
		BCF Bio Concentration Factor.
		CAS Chemical Abstracts Service.
		CLP Classification, Labelling and Packaging.
		CMR Carcinogen, Mutagen or Reproductive toxicant.
		COD Chemical Oxygen Demand. EC European Commission.
		EC50 Half maximal effective concentration.
		EH40 Resource containing the list of workplace exposure limits for use
		with the Control of Substances Hazardous to Health Regulations.
		EINECS European Inventory of Existing Commercial chemical
		Substances.
		ELINCS European List of Notified Chemical Substances.
		EU European Union.
		GHS Globally Harmonized System of Classification and Labelling of
		Chemicals.
		H Statement GHS Hazard statement.
		IATA International Air Transport Association.
		IBC Intermediate Bulk Container.
		IC50 Half maximal inhibitory concentration.
		IMDG International Maritime Dangerous Goods.
		LC50 Median lethal concentration.
		LD50 Median lethal dose.
		LogPow logarithm of the octanol/water partition coefficient.
		MARPOL 73/78 International Convention for the Prevention of
		Pollution From Ships, 1973 as modified by the Protocol of 1978.
		OEL Occupational Exposure Limit.
		OSHA Occupational Safety and Health Administration (USA).
		PBT Persistent, Bioaccumulative, and Toxic. PEL Permissible Exposure Limit.
		RID The Regulations concerning the International Carriage of
		Dangerous Goods by Rail.
		SADT Self-Accelerating Decomposition Temperature.
		SARA Superfund Amendments and Reauthorization Act.
		SCBA Self-Contained Breathing Apparatus.
		SDS Safety Data Sheet.
		STOT Specific Target Organ Toxicity.
		STOT-RE Specific Target Organ Toxicity - Repeated Exposure.
		STOT-SE Specific Target Organ Toxicity - Single Exposure.
		UN United Nations.
	l .	

ELISA Wash Buffer, 10X SDS; Doc# F17-527-2-E; Effective: 03/04/2020; Supersedes: F17-527-2-D; Page 7 of 7

USA United States of America.

VPvB very Persistent very bioaccumulative.

WHMIS Workplace Hazardous Materials Information System.

16.1f Full text of hazard statements and precautionary statements not written out in full elsewhere:

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

**END OF SDS** 



## SAFETY DATA SHEET (SDS) according to Regulation (EC) No. 830/2015 amending 1907/2006

	on 1: Identification of the substance/mixture and of the			
1.1	Product identifier:	TMB 1-Component HRP Microwell Substrate		
1.1a	Other means of identification:			
1.1b	Alternative product name(s)/ synonyms:	SUBT, SUB1		
1.1c	Product number/Catalog #(s):	3325, 6276, 6331, 6337		
1.1d	Internal identification:	SUBT, SUB1		
1.2	Relevant identified uses of the substance or	For research use only. Not for use in diagnostic procedures.		
	mixture and uses advised against:			
1.2a	Brief description of what the substance or mixture is	For laboratory use.		
	intended to do:			
1.3	Details of the supplier of the SDS:			
1.3a	Name:	ImmunoChemistry Technologies, LLC (ICT)		
1.3b	Address:	9401 James Avenue South, Suite 155		
1.3c	City, State, Zip, Country	Bloomington, MN 55431-2500 USA		
1.3d	Phone number:	1-800-829-3194 and 952-888-8788		
1.3e	Fax number:	952-888-8988		
1.3f	Website:	www.immunochemistry.com		
1.3g	Email:	help@immunochemistry.com		
1.3h	Contact person at ICT:	Quality Documentation Department		
1.4	Emergency telephone number:	ICT: 1-800-829-3194 (USA & Canada) or 952-888-8788 world wide;		
		ICT hours are 9 am-5 pm central time USA, Monday through Friday		
		(excluding holidays). Chemtrec 24-hour access within USA and		
		Canada: 1-800-424-9300 or +1 703-527-3887. Collect calls accepted.		
Section	on 2: Hazards identification			
2.1	Classification of the substance or mixture:			
2.1a	Product is a:	Mixture.		
2.1b	Classification according to (EC) No. 1272/2008	Not classified.		
	{CLP}:			
2.1c	The most important adverse physiochemical, human	Refer to Sections 9-12.		
	health, and environmental effects:			
2.2				
2.2a	, ,,			
	statements:			
2.2b	Contains: .			
2.2c	Labeling in accordance with (EC) No. 1272/2008:			
2.2d	Hazard Pictograms (Hazard Symbols):	None.		
2.2e	Signal word:	None.		
2.2f	Hazard statements:	None.		
2.2g	Precautionary statements:	None.		
2.2h	Supplementary precaution statements:	None.		
2.3	Other hazards:	No additional information available.		
2.3a	Does the chemical meet the criteria for PBT or vPvB?	Not applicable.		
2.3b	Other hazards which do not result in classification:	No additional information available.		
	on 3: Composition/information on ingredients			
3.1	Substance:	Item is a mixture therefore Section 3.1 is not applicable; see Section		
2.0	Mindone	3.2.		
3.2	Mixture:	Item is a mixture. Contains no hazardous ingredients at levels		
	The chemical identity and concentration or	requiring disclosure by the OSHA Hazard Communication Standard		
	concentration ranges of all ingredients which are	(29 CFR 1910.1200).		
	hazardous and are present above their cut-off levels:			
Soction	on 4: First aid measures			
		If exposed or concerned, get medical attention/advice. Chautthis		
4.1	Description of first aid measures:	If exposed or concerned, get medical attention/advice. Show this		
		safety data sheet to the doctor in attendance. Wash contaminated		
		clothing before reuse. Never give anything by mouth to an		
1.1-	lab alation.	unconscious person.		
4.1a	Inhalation:	Remove to fresh air and keep at rest in a comfortable position for		
	Oldin approach	breathing.		
4 4 1-				
4.1b	Skin contact:	Remove affected clothing and wash all exposed skin with water for at least 15 minutes.		

TMB 1-Component HRP Microwell Substrate SDS; Doc# F17-3325-2-D; Effective: 02/11/19; Supersedes: F17-3325-2-C; Page 2 of 6 Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove 4.1c contact lenses if present and easy to do so. Continue rinsing. Rinse mouth thoroughly. Do not induce vomiting without advice from 4.1d Ingestion: poison control center or medical professional. Get medical attention if you feel unwell. 4.2 Most important symptoms and effects, both acute Not expected to present a significant hazard under anticipated and delayed: conditions of normal use. 4.2a Inhalation: May cause respiratory irritation. 4.2b Skin contact: May cause skin irritation. 4.2c Eye contact: May cause slight temporary irritation. Ingestion: May cause gastrointestinal irritation. 4.2d Indication of any immediate medical attention and No additional information available. 4.3 special treatment needed: 4.3a Notes to physician/first responder: Treat symptomatically. Section 5: Firefighting measures 5.1 **Extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials. 5.1a Suitable extinguishing media: Foam. Carbon dioxide. Dry powder. Water spray. Sand. 5.1b Unsuitable extinguishing media: None known. Special hazards arising from the substance or This product is not flammable. Product is not explosive. No dangerous 5.2 mixture: reactions known under normal conditions of use. 5.2a Hazardous combustion products: Toxic gases and vapors may be released if involved in a fire. 5.2b Unusual fire & explosion hazards: No unusual fire or explosion hazards noted. Do not enter fire area without proper protective equipment, including 5.2c Protective measures in fire: respiratory protection. Wear self-contained breathing apparatus and protective suit (see Section 8). 5.3 Advice for firefighters: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 5.3a Special firefighting procedures: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. 5.3b Special protective equipment and precautions for Do not enter fire area without proper protective equipment, including firefighters: respiratory protection. Wear self-contained breathing appartus and protective suit (see Section 8). Section 6: Accidental release measures Personal precautions, protective equipment, and 6.1 emergency procedures: Evacuate area. Ventilate area. Keep upwind. Spill should be handled 6.1a General release measures: by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8). 6.1b Advice for non-emergency personnel; personal Wear protective equipment as described in Section 8. Evacuate precautions, protective equipment and emergency unnecessary personnel. procedures: 6.1c Advice for emergency responders; personal Wear suitable protective clothing, gloves and eye or face protection. precautions, protective equipment and emergency Approved supplied-air respirator, in case of emergency. procedures: **Environmental precautions:** Prevent entry to sewers and public waters. Notify authorities if liquid 6.2 enters sewers or public waters. Avoid release to the environment. 6.3 Methods and materials for containment and Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Place in a suitable container for disposal clean up: in accordance with the waste regulations (see Section 13). Wash spill area thoroughly with plenty of soap and water. 6.4 Reference to other sections: Refer to Sections 8 and 13 for additional information. Section 7: Handling and storage 7.1 Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition. 7.1a Prevent handling of incompatible substances or Not known. mixtures: 7.1b Advice on general occupational hygiene: No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. 7.2 Conditions for safe storage, including any Keep the container tightly closed. Store in a dry, cool and wellincompatibilities: ventilated place. Store away from light. Avoid elevated temperatures. Storage temperature: 2-8°C. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. Section 8: Exposure controls/personal protection **Control parameters:** 8.1

TMB 1-Component HRP Microwell Substrate SDS; Doc# F17-3325-2-D; Effective: 02/11/19; Supersedes: F17-3325-2-C; Page 3 of 6 Occupational exposure limits, such as chemical 8.1a No data available. identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limit), etc.: WEL = Workplace Exposure Limit. Sk = can be absorbed through skin. 8.1b Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas. 8.1c Individual protection measures, such as personal Wear gloves. Wear protective goggles. Wear labcoat with full coverage protective equipment: clothing. 8.1d Safety symbols: 8.2 **Exposure controls:** Process conditions: 8.2a Provide eyewash station. 8.2b Engineering controls: Local exhaust ventilation is recommended for providing adequate ventilation. Ensure that eyewash stations and safety showers are proximal to the workstation location. 8.2c Ventilation controls: Provide adequate ventilation. 8.2d Reference to other sections: Refer to Section 5 for additional information. Eye/face protection: 8.2e Chemical goggles or safety glasses. 8.2f Skin protection: Wear suitable protective clothing. Wear long sleeves. Hand protection: Use gloves chemically resistant to this material when prolonged or 8.2g repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. 8.2h Where excessive vapor, mist, or dust may result, use NIOSH approved Respiratory equipment: respiratory protection equipment. 8.2i Wear appropriate clothing to prevent any possibility of skin contact. Other protection: 8.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated. None known. 8.2k Thermal hazards: Not determined. 8.21 Environmental exposure controls: Section 9: Physical and chemical properties 9.1 Information on basic physical and chemical properties: 9.1a Appearance (physical state, color, etc.): Colorless to pale yellow liquid. 9.1b Odor: No specific data. Odor threshold: No data available. 9.1c 9.1d 3.35-3.75 9.1e Melting point/freezing point (°C): No data available. Initial boiling point and boiling range: No data available. 9.1f Flash point (°C): No data available. 9.1g Evaporation rate: 9.1h No data available. Flammability (solid, gas): Not flammable. 9.1i 9.1j Upper/lower flammability or explosive limits: Product is not explosive. 9.1k Vapor pressure: No data available. 9.11 Vapor density (Air =1): No data available. 9.1m Relative density:  $1.01 (H_2O = 1.0)$ 9.1n Solubility(ies): Water: 100% Partition coefficient (N-octanol/water): No data available. 9.10 No data available. 9.1p Auto-ignition temperature (°C): Decomposition temperature (°C): 9.1q No data available. 9.1r Viscosity: No data available. 9.1s Explosive properties: Not explosive. 9.1t Oxidizing properties: Not an oxidizer No additional information available. 9.2 Other information: Other physical or chemical parameters: No additional information available. 9.2a Section 10: Stability and reactivity 10.1 Reactivity: No dangerous reactions known under normal conditions of use. 10.2 Chemical stability: Stable under recommended handling and storage conditions (see Section 7). 10.3 Possibility of hazardous reactions: None known. 10.4 Conditions to avoid: Light. Elevated temperatures. Moisture.

TMB 1-Component HRP Microwell Substrate SDS; Doc# F17-3325-2-D; Effective: 02/11/19; Supersedes: F17-3325-2-C; Page 4 of 6

10.5 Incompatible materials: Strong oxidizing agents. Metals.

10.5	Incompatible materials:	Strong oxidizing agents. Metals.			
10.6	Hazardous decomposition products:	Thermal decomposition generates: Carbon oxides (CO, CO <sub>2</sub> ).			
	·	Nitrogen oxides.			
	11: Toxicological information				
11.1	Information on toxicological effects:				
11.1a	Name:	TMB 1-Component HRP Microwell Substrate			
11.1b	Acute toxicity:	Not classified.			
11.1c	Skin corrosion/irritation:	Not classified. pH: 3.35-3.75			
11.1d	Serious eye damage/irritation:	Not classified. pH: 3.35-3.75			
11.1e	Respiratory or skin sensitization:	Not classified.			
11.1f	Germ cell mutagenicity:	Not classified.			
11.1g	Carcinogenicity:	Not classified.			
11.1h	Reproductive toxicity:	Not classified.			
11.1i	STOT-single exposure:	Not classified.			
11.1j	STOT-repeated exposure:	Not classified.			
11.1k	Aspiration hazard:	Not classified.			
11.11	Information on the likely routes of exposure	Trot diagoniou.			
	(inhalation, ingestion, skin and eye contact):	•			
11.1m	Ingestion:	May cause gastrointestinal irritation.			
11.1n	Inhalation:	May cause respiratory irritation.			
11.10	Skin contact:	May cause skin irritation.			
11.1p	Eye contact:	May cause slight temporary irritation.			
11.1p	Symptoms related to the physical, chemical and	No specific symptoms noted.			
11.14	toxicological characteristics:	No specific symptoms noted.			
11.1r	Delayed and immediate effects as well as chronic	Not determined.			
11.11		Not determined.			
11.1s	effects from short and long term exposure:  Numerical measures of toxicity (such as acute	Not determined.			
11.15		Not determined.			
44.44	toxicity estimates): Interactive effects:	Not determined			
11.1t		Not determined.			
11.1u	Absence of specific data:	Not applicable.			
11.1v	Mixtures:	See Section 3 for any substances in the mixture			
11.1w	Mixture vs. substance information:	See Section 3 for any substances in the mixture			
11.1x	Classification by National Toxicity Program (NTP):	Not classified.			
11.1y	Classification by International Agency for Research on Cancer (IARC):	Not classified.			
11.1z	Classification by OSHA 13:	Not classified.			
11.1ab	Other information:	None.			
0	AO Establish and				
	12: Ecological information				
12.1	Toxicity:	THE COLUMN THE PARTY OF THE PAR			
12.1a	Name:	TMB 1-Component HRP Microwell Substrate.			
12.1b	Ecotoxicity (aquatic and terrestrial, where available):	No information available.			
12.2	Persistence and degradability:	No information available.			
12.3	Bioaccumulative potential:	No information available.			
12.4	Mobility in soil:	No information available.			
12.5	Results of PBT and vPvB assessment:	No information available.			
12.6	Other adverse effects:	No data available.			
_					
	13: Disposal considerations				
13.1	Waste treatment methods:	When handling waste, consideration should be made to the safety			
		precautions applying to handling of the product.			
13.1a	Description of waste residues and information on	Obtain the consent of pollution control authorities before discharging to			
	their safe handling and methods of disposal,	wastewater treatment plants. Observe all federal, state and local laws			
	including the disposal of any contaminated	when considering most appropriate disposal method. Contact a			
	packaging:	licensed professional waste disposal service to dispose of this			
		material. Dispose in a safe manner in accordance with local/national			
		regulations. Do not allow the product to be released into the			
		environment.			
	14: Transport information				
14.1	UN number:	Not applicable.			
14.2	UN proper shipping name:	Not applicable.			
14.3	Transport hazard class(es):	Not hazardous for transport in accordance with DOT.			
14.4	Packing group:	Not applicable.			
14.5	Environmental hazards:				
14.5a	Is it environmentally dangerous according to UN	No.			
	Model Regulations (IMDG Code, ADR, RID, and				
	ADN)?:				

TMB 1-Component HRP Microwell Substrate SDS; Doc# F17-3325-2-D; Effective: 02/11/19; Supersedes: F17-3325-2-C; Page 5 of 6 Is it a marine pollutant according to the IMDG 14.5b code?: Special precautions for user: 14.6 None. Transport in bulk according to Annex II of 14.7 Not applicable. MARPOL and the IBC code: 14.7a Other information: None. Classification for other modes of transport: Not classified. 14.7b **Section 15: Regulatory information** 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: 15.1a Regional safety, health and environmental All chemical substances in this product are listed in the EPA regulations specific for the product in question: (Environmental Protection Agency) TSCA (Toxic Substances Control Act) Inventory. All the constituents of this preparation are registered in the EINECS inventory or in the ELINCS list. Canada: No additional information available. This product is not listed in the SARA (Superfund Amendments and 15.1b USA SARA Components (such as 302/311/313): Reauthorization Act). No components are subject to the Massachusetts Right to Know Act. USA Massachusetts Right to Know: 15.1c No components are subject to the USA Pennsylvania Right to Know 15.1d USA Pennsylvania Right to Know: USA New Jersey Right to Know: No components are subject to the USA New Jersey Right to Know list. 15.1e 15.1f USA California Prop. 65 Components: This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm. EU Regulation 1907/2006 {REACH}: 15.1g The product nor any components are identified. 15.1h Annex XIV substances subject to authorization: The product nor any components are identified. 15.1i Substances of very high concern: The product nor any components are identified. 15.1i Approved code of practice: Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Guidance notes: 15.1k Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of 15.1I EU legislation references: substances and mixtures {CLP Regulation}. EC 453/2010. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 15.2 Chemical safety assessment: Not required. 15.2a Other regulatory information: None. **Section 16: Other information** 16.1 Other information: 16.1a Date of revision: 02/11/19 16.1b SDS number and revision: F17-3325-2-D 16.1c Supersedes SDS number and revision: F17-3325-2-C 16.1d Changes made to the previous version of the SDS: Reviewed and updated document control numbers. 16.1e Key/legend to abbreviations and acronyms used in ADN European Provisions concerning the International Carriage of the SDS: Dangerous Goods by Inland Waterway. ADR The European Agreement concerning the International Carriage of Dangerous Goods by Road. CAS Chemical Abstracts Service. CLP Classification, Labelling and Packaging. EC European Commission. EC50 Half maximal effective concentration. EH40 Resource containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations. EINECS European Inventory of Existing Commercial chemical ELINCS European List of Notified Chemical Substances. EPA Environmental Protection Agency. EU European Union. GHS Globally Harmonized System of Classification and Labelling of Chemicals. H Statement GHS Hazard statement. IATA International Air Transport Association. IBC Intermediate Bulk Container.

IC50 Half maximal inhibitory concentration.

END OF SDS



## SAFETY DATA SHEET (SDS) according to Regulation (EC) No. 830/2015 amending 1907/2006

4 4	on 1: Identification of the substance/mixture and of the	
1.1	Product identifier:	Stop Solution for TMB Substrates
1.1a	Other means of identification:	
1.1b	Alternative product name(s)/ synonyms:	STOPT; STOP1
1.1c	Product number/Catalog #(s):	3331, 6282, 6343
1.1d	Internal identification:	STOPT; STOP1
1.2	Relevant identified uses of the substance or	For research use only. Not for use in diagnostic procedures. For use
	mixture and uses advised against:	by trained laboratory professionals.
1.2a	Brief description of what the substance or mixture is	For laboratory use.
	intended to do:	
1.3	Details of the supplier of the SDS:	
1.3a	Name:	ImmunoChemistry Technologies, LLC (ICT)
1.3b	Address:	9401 James Avenue South, Suite 155
1.3c	City, State, Zip, Country	Bloomington, MN 55431-2500 USA
1.3d	Phone number:	1-800-829-3194 and 952-888-8788
1.3e	Fax number:	952-888-8988
1.3f	Website:	www.immunochemistry.com
1.3g	Email:	help@immunochemistry.com
1.3h	Contact person at ICT:	Quality Documentation Department
1.4	Emergency telephone number:	ICT: 1-800-829-3194 (USA & Canada) or 952-888-8788 world wide;
		ICT hours are 9 am-5 pm central time USA, Monday through Friday
		(excluding holidays). Chemtrec 24-hour access within USA and
		Canada: 1-800-424-9300 or +1 703-527-3887. Collect calls accepted.
Section	on 2: Hazards identification	
2.1	Classification of the substance or mixture:	
2.1a	Product is a:	Mixture.
2.1b	Classification according to (EC) No. 1272/2008	Skin corrosive 1; H314 Causes severe skin burns and eye damage.
	{CLP}:	Skin sensitizer 1; H317 May cause an allergic skin reaction.
2.1c	The most important adverse physiochemical, human	Causes severe skin burns and eye damage. Refer to Sections 9-12.
	health, and environmental effects:	
2.2	Label elements:	
2.2a	GHS label elements, including precautionary	
	statements:	
2.2b	Contains:	
		Maleic acid at 3-7%.
2.2c	Labeling in accordance with (EC) No. 1272/2008:	Maleic acid at 3-7%.
		Maleic acid at 3-7%.
2.2c	Labeling in accordance with (EC) No. 1272/2008:	Maleic acid at 3-7%.
2.2c	Labeling in accordance with (EC) No. 1272/2008:	Maleic acid at 3-7%.
2.2c	Labeling in accordance with (EC) No. 1272/2008:	Maleic acid at 3-7%.
2.2c	Labeling in accordance with (EC) No. 1272/2008:	Maleic acid at 3-7%.
2.2c	Labeling in accordance with (EC) No. 1272/2008:	
2.2c 2.2d 2.2e	Labeling in accordance with (EC) No. 1272/2008:	
2.2c 2.2d 2.2e	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):	GHS05 Corrosion. GHS07 Exclamation mark.
2.2c 2.2d 2.2e	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage.  H317 May cause an allergic skin reaction.
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray.
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling.
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace.
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves. Wear protective clothing. Wear eye or
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves. Wear protective clothing. Wear eye or face protection.
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves. Wear protective clothing. Wear eye or face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. DO NOT induce
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves. Wear protective clothing. Wear eye or face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. DO NOT induce vomiting.
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves. Wear protective clothing. Wear eye or face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. DO NOT induce vomiting. P302+P352 IF ON SKIN: wash with plenty of water.
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves. Wear protective clothing. Wear eye or face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. DO NOT induce vomiting. P302+P352 IF ON SKIN: wash with plenty of water. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves. Wear protective clothing. Wear eye or face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. DO NOT induce vomiting. P302+P352 IF ON SKIN: wash with plenty of water. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves. Wear protective clothing. Wear eye or face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. DO NOT induce vomiting. P302+P352 IF ON SKIN: wash with plenty of water. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED: Remove person to fresh air and keep
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves. Wear protective clothing. Wear eye or face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. DO NOT induce vomiting. P302+P352 IF ON SKIN: wash with plenty of water. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
2.2c	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves. Wear protective clothing. Wear eye or face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. DO NOT induce vomiting. P302+P352 IF ON SKIN: wash with plenty of water. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves. Wear protective clothing. Wear eye or face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. DO NOT induce vomiting. P302+P352 IF ON SKIN: wash with plenty of water. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for severa minutes. Remove contact lenses, if present and easy to do. Continue
2.2c 2.2d 2.2e 2.2f	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):  Signal word: Hazard statements:	GHS05 Corrosion. GHS07 Exclamation mark.  Danger.  H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.  P260 Do not breathe mist or spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves. Wear protective clothing. Wear eye or face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. DO NOT induce vomiting. P302+P352 IF ON SKIN: wash with plenty of water. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several

Stop Solution for TMB Substrates (STOPT) SDS; Doc# F17-3331-2-C; Effective: 03/28/19; Supersedes: F17-3331-2-B; Page 2 of 7 P321 Specific treatment (see Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work on this label). P333+P313 If skin irritation or rash occurs: Get medical attention. P362+P364 Take off contaminated clothing and wash it before reuse. P363 Wash contaminated clothing before reuse. P405 Store locked up. P501 Dispose of container to licensed waste handling facility. 2.2h Supplementary precaution statements: None. No additional information available. 2.3 Other hazards: 2.3a Does the chemical meet the criteria for PBT or vPvB? Not applicable. Other hazards which do not result in classification: No additional information available. 2.3b Section 3: Composition/information on ingredients 3.1 Substance: Item is a mixture therefore Section 3.1 is not applicable; see Section 3.2 Mixture: Item is a mixture. The chemical identity and concentration or concentration ranges of all ingredients which are hazardous and are present above their cut-off levels: 3.2a Chemical identity: Maleic acid. 3.2b Common name, synonyms, etc.: C<sub>4</sub>H<sub>4</sub>O<sub>4</sub> 3.2c CAS number and 3.2e % 3.2f Classification according to (EC) No. 1272/2008 other unique identifiers: 3.2d EC number: Concentration: {CLP}: CAS: 110-16-7 203-742-5 Acute Tox. 4 H302 Harmful if swallowed. 3-7% Index: 607-095-00-3 Skin Corr. 1 H314 Causes severe burns and eye damage. Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious eye damage. Skin Sens. 1 H317 May cause an allergic skin reaction. STOT SE 3 H335 May cause respiratory irritation. Section 4: First aid measures 4.1 Description of first aid measures: 4.1a Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen. 4.1b Remove affected clothing and wash all exposed skin with water for at Skin contact: least 15 minutes. Get medical attention immediately. Immediately flush with plenty of water for at least 15 minutes. Remove 4.1c Eye contact: contact lenses if present and easy to do so. Get medical attention immediately. Continue rinsing. 4.1d Rinse mouth thoroughly. Never give anything by mouth to an Ingestion: unconscious person. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately. 4.2 Most important symptoms and effects, both acute and delayed: 4.2a Inhalation: May cause respiratory irritation. 4.2b Skin contact: Harmful in contact with skin. May cause an allergic skin reaction. May cause skin sensitization. Causes serious eye damage. 4.2c Eye contact: May cause a light irritation of the linings of the mouth, throat, and 4.2d Ingestion: gastrointestinal tract. 4.3 Indication of any immediate medical attention and No additional information available. special treatment needed: 4.3a Notes to physician/first responder: Treat symptomatically. Section 5: Firefighting measures **Extinguishing media:** 5.1 5.1a Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials. Foam. Carbon dioxide. Dry powder. Water spray. Sand. Unsuitable extinguishing media: 5.1b None known. This product is not flammable. Product is not explosive. No dangerous 5.2 Special hazards arising from the substance or mixture: reactions known under normal conditions of use. 5.2a Hazardous combustion products: Toxic gases and vapors may be released if involved in a fire. 5.2b Unusual fire & explosion hazards: No unusual fire or explosion hazards noted. Protective measures in fire: Do not enter fire area without proper protective equipment, including 5.2c respiratory protection. Wear self-contained breathing apparatus and protective suit (Section 8).

Stop Solution for TMB Substrates (STOPT) SDS; Doc# F17-3331-2-C; Effective: 03/28/19; Supersedes: F17-3331-2-B; Page 3 of 7 5.3 Advice for firefighters: 5.3a Special firefighting procedures: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. 5.3b Special protective equipment and precautions for Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing appartus and firefighters: protective suit (see Section 8). Section 6: Accidental release measures Personal precautions, protective equipment, and emergency procedures: 6.1a General release measures: Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8). 6.1b Advice for non-emergency personnel; personal Wear protective equipment as described in Section 8. Evacuate precautions, protective equipment and emergency unnecessary personnel. procedures: 6.1c Advice for emergency responders; personal Wear suitable protective clothing, gloves and eye or face protection. precautions, protective equipment and emergency Approved supplied-air respirator, in case of emergency. procedures: **Environmental precautions:** Prevent entry to sewers and public waters. Notify authorities if liquid 6.2 enters sewers or public waters. Avoid release to the environment. 6.3 Methods and materials for containment and Contain any spills with dikes or absorbents to prevent migration and clean up: entry into sewers or streams. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Sweep or shovel spills into appropriate container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation (see Section 13). 6.4 Reference to other sections: Refer to Sections 8 and 13 for additional information. Section 7: Handling and storage Precautions for safe handling: 7.1 7.1a Prevent handling of incompatible substances or Not known. 7.1b Advice on general occupational hygiene: Do not eat, drink, or smoke in work areas. Wash hands after use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove contaminated clothing and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.2 Keep the container tightly closed. Store in a dry, cool and well-Conditions for safe storage, including any incompatibilities: ventilated place. Avoid elevated temperatures. Store at room temperature (25°C); refrigerated temperatures will not harm the reagent. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. Section 8: Exposure controls/personal protection **Control parameters:** 8.1 8.1a Occupational exposure limits, such as chemical No data available. identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limit), etc.: WEL = Workplace Exposure Limit. Sk = can be absorbed through skin. 8.1b Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas. Wear gloves. Wear labcoat with full coverage clothing. Wear chemical 8.1c Individual protection measures, such as personal protective equipment: goggles and face shield in combination. 8.1d Safety symbols: 8.2 **Exposure controls:** 8.2a Process conditions: Provide eyewash station. 8.2b Engineering controls: Local exhaust ventilation is recommended for providing adequate ventilation. Ensure that eyewash stations and safety showers are

proximal to the workstation location.

Refer to Section 5 for additional information.

8.2c

8.2d

Ventilation controls:

Reference to other sections:

Ensure adequate ventilation, especially in confined areas.

Stop Solution for TMB Substrates (STOPT) SDS; Doc# F17-3331-2-C; Effective: 03/28/19; Supersedes: F17-3331-2-B; Page 4 of 7 8.2e Eye protection, including both chemical splash goggles and face Eye/face protection: shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles. Skin protection: Lab coat. Wear suitable protective clothing. Wear long sleeves. 8.2f Use gloves chemically resistant to this material when prolonged or 8.2g Hand protection: repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl Where excessive vapor, mist, or dust may result, use NIOSH approved 8.2h Respiratory equipment: respiratory protection equipment. Wear appropriate clothing to prevent any possibility of skin contact. 8.2i Other protection: 8.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Wash promptly with soap and water if skin becomes contaminated. 8.2k Thermal hazards: None known. 8.21 Environmental exposure controls: Not determined. Section 9: Physical and chemical properties Information on basic physical and chemical 9.1 properties: 9.1a Appearance (physical state, color, etc.): Clear, colorless liquid 9.1b Odor: No specific data. Odor threshold: No data available. 9.1c ≤ 2 9.1d pH: Melting point/freezing point (°C): 9.1e No data available. 9.1f Initial boiling point and boiling range: No data available. Flash point (°C): No data available. 9.1q Evaporation rate: 9.1h No data available. Flammability (solid, gas): 9.1i Not flammable. Upper/lower flammability or explosive limits: 9.1j Product is not explosive. 9.1k Vapor pressure: No data available. 9.11 Vapor density (Air =1): No data available. 9.1m Relative density: No data available. Solubility(ies): Water: 100% 9.1n Partition coefficient (N-octanol/water): 9.10 No data available. Auto-ignition temperature (°C): 9.1p No data available. Decomposition temperature (°C): 9.1q No data available. 9.1r Viscosity: No data available. 9.1s Explosive properties: Not explosive. 9.1t Oxidizing properties: Not an oxidizer. 9.2 Other information: No additional information available. 9.2a Other physical or chemical parameters: No additional information available. Section 10: Stability and reactivity No dangerous reactions known under normal conditions of use. 10.1 Reactivity: 10.2 Chemical stability: Stable under recommended handling and storage conditions (see Section 7). Possibility of hazardous reactions: 10.3 None known. 10.4 Conditions to avoid: Elevated temperatures. Strong oxidizing agents. Reducing agents. Strong acids. Strong bases. 10.5 Incompatible materials: Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>). 10.6 Hazardous decomposition products: Section 11: Toxicological information Information on toxicological effects: 11.1 11.1a Name: Stop Solution for TMB Substrates 11.1b Acute toxicity: Not classified. Maleic acid (110-16-7): LD50 oral rat: 708 mg/kg (Source IUCLID). LD50 dermal rabbit: 1560 mg/kg (Source NLM\_CIP). LC50 inhalation rat (mg/l): >720 mg/m<sup>3</sup> 1 h (source NLM\_CIP). Causes severe skin burns and eye damage. Not classified. pH: ≤ 2 11.1c Skin corrosion/irritation: Maleic acid (110-16-7): Eyes - Severe Irritant Species: Rabbit Exposure: 2 minutes at 1 Percent (Source Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611) Series 3: V.1- 1918- 33,387,1950 11.1d Serious eye damage/irritation: Causes severe skin burns and eye damage. pH: ≤ 2

Stop Solution for TMB Substrates (STOPT) SDS; Doc# F17-3331-2-C; Effective: 03/28/19; Supersedes: F17-3331-2-B; Page 5 of 7 Respiratory or skin sensitization: May cause an allergic skin reaction. Once sensitized, a severe allergic 11.1e reaction may occur when subsequently exposed to very low levels. Germ cell mutagenicity: 11.1f Not classified. Carcinogenicity: 11.1g Not classified. 11.1h Reproductive toxicity: Not classified. 11.1i STOT-single exposure: Not classified. STOT-repeated exposure: Not classified. 11.1j 11.1k Aspiration hazard: Not classified. Information on the likely routes of exposure 11.11 (inhalation, ingestion, skin and eye contact): 11.1m Ingestion: Not classified. 11.1n Inhalation: Not classified.. Skin contact: 11.1o Causes severe burns. May cause an allergic skin reaction. Eye contact: Causes serious eye damage. 11.1p Symptoms related to the physical, chemical and Skin sensitization. 11.1q toxicological characteristics: Delayed and immediate effects as well as chronic 11.1r Once sensitized, a severe allergic reaction may occur when effects from short and long term exposure: subsequently exposed to very low levels. 11.1s Numerical measures of toxicity (such as acute Oral 7215.01 mg/kg toxicity estimates): 11.1t Interactive effects: Not determined. Absence of specific data: Not applicable. 11.1u 11.1v Mixtures: Item is a mixture. See Section 3 for any substances in the mixture. 11.1w Mixture vs. substance information: Classification by National Toxicity Program (NTP): 11.1x Not classified. Classification by International Agency for Research 11.1y Not classified. on Cancer (IARC): Classification by OSHA 13: Not classified. 11.1z Other information: 11.1ab None. **Section 12: Ecological information** 12.1 Toxicity: Stop Solution for TMB Substrates 12.1a Name: 12.1b Ecotoxicity (aquatic and terrestrial, where available): Maleic acid (110-16-7): Value: Acute EC50 316200 µg/l Fresh water Species: Daphnia magna - Larvae Exposure: 48 hours Acute EC50 316200 µg/l Fresh water Species: Pimephales promelas (Fathead Minnow) Exposure: 96 hours 12.2 Persistence and degradability: No information available. 12.3 Bioaccumulative potential: No information available. 12.4 Mobility in soil: No information available. 12.5 Results of PBT and vPvB assessment: No information available. 12.6 Other adverse effects: No data available. Section 13: Disposal considerations Waste treatment methods: 13.1 When handling waste, consideration should be made to the safety precautions applying to handling of the product. 13.1a Description of waste residues and information on Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. Observe all federal, state and local laws their safe handling and methods of disposal, including the disposal of any contaminated when considering most appropriate disposal method. Contact a packaging: licensed professional waste disposal service to dispose of this material. Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment. **Section 14: Transport information UN number:** 14.1 14.2 UN proper shipping name: Corrosive liquid, acidic, organic, n.o.s. (Maleic Acid). Transport hazard class(es): Class 8 - Corrosive material (49 CFR 173.136). 14.3 Packing group: III (DOT). 14.4 14.5 **Environmental hazards:** 14.5a Is it environmentally dangerous according to UN Information not available. Model Regulations (IMDG Code, ADR, RID, and 14.5b Is it a marine pollutant according to the IMDG No.

None known.

14.6

Special precautions for user:

Stop Solution for TMB Substrates (STOPT) SDS: Doc# F17-3331-2-C: Effective: 03/28/19: Supersedes: F17-3331-2-B: Page 6 of 7

14.7	Transport in bulk according to Annex II of MARPOL and the IBC code:	Not applicable.		
14.7a	Other information:	Transport document description: UN3265, Corrosive liquid, acidic, organic, n.o.s. (Maleic Acid), 8, III.  DOT quantity limitations for passenger aircraft/rail (49 CFR 173.27): 5 L.  DOT quantity limitations for cargo aircraft only (49 CFR 175.75): 60 L.  DOT vessel stowage location: A - the material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.  DOT vessel stowage other: 40 - stow "clear of living quarters".		
14.7b	Classification for other modes of transport:	Contact supplier.		
	Section 15: Regulatory information			
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture:			

15.1	n 15: Regulatory information Safety, health and environmental	
	regulations/legislation specific for the substance	
	or mixture:	
15.1a	Regional safety, health and environmental regulations specific for the product in question:	All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory. All the constituents of this preparation are registered in the EINECS inventory or in the ELINCS list.  The component Maleic acid (110-16-7) is listed on the United States TSCA (Toxic Substances Control Act) inventory.  The Reportable Quantity (RQ), section 302 and/or 304 of the EPA List of Lists is 5000 lb final.  Canada: No additional information available.
15.1b	USA SARA Components (such as 302/311/313):	SARA Section 311/312 Hazard Class is a delayed (chronic) health hazard. The component Maleic acid (110-16-7) is listed in SARA Section 313.
15.1c	USA Massachusetts Right to Know:	The component Maleic acid (110-16-7) is listed on the USA Massachusetts Right to Know list.
15.1d	USA Pennsylvania Right to Know:	The component Maleic acid (110-16-7) is listed on the USA Pennsylvania Right to Know Environmental Hazard list.
15.1e	USA New Jersey Right to Know:	The component Maleic acid (110-16-7) is listed on the USA New Jersey Right to Know Hazardous Substance list.
15.1f	USA California Prop. 65 Components:	This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.
15.1g	EU Regulation 1907/2006 {REACH}:	The product nor any components are identified.
15.1h	Annex XIV substances subject to authorization:	The product nor any components are identified.
15.1i	Substances of very high concern:	The product nor any components are identified.
15.1j	Approved code of practice:	Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.
15.1k	Guidance notes:	Workplace exposure limits EH40.
15.11	EU legislation references:	(EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
15.2	Chemical safety assessment:	Not required.
15.2a	Other regulatory information:	None.

13.2	Chemical safety assessment.	Not required.	
15.2a	Other regulatory information:	None.	
Section	Section 16: Other information		
16.1	Other information:		
16.1a	Date of revision:	03/28/2019	
16.1b	SDS number and revision:	F17-3331-2-C	
16.1c	Supersedes SDS number and revision:	F17-3331-2-B	
16.1d	Changes made to the previous version of the SDS:	Reviewed and updated document control numbers.	
16.1e	Key/legend to abbreviations and acronyms used in the SDS:	ACGIH American Conference of Governmental Industrial Hygienists.  ADN European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway.  ADR The European Agreement concerning the International Carriage of Dangerous Goods by Road.  ATE Acute Toxicity Estimate.  BCF Bio Concentration Factor.  CAS Chemical Abstracts Service.  CLP Classification, Labelling and Packaging.  CMR Carcinogen, Mutagen or Reproductive toxicant.	

		EC European Commission. EC50 Half maximal effective concentration.
		EH40 Resource containing the list of workplace exposure limits for use
		with the Control of Substances Hazardous to Health Regulations.  EINECS European Inventory of Existing Commercial chemical
		Substances.
		ELINCS European List of Notified Chemical Substances.
		EPA Environmental Protection Agency.
		EU European Union.
		GHS Globally Harmonized System of Classification and Labelling of
		Chemicals.
		H Statement GHS Hazard statement. IATA International Air Transport Association.
		IBC Intermediate Bulk Container.
		IC50 Half maximal inhibitory concentration.
		IMDG International Maritime Dangerous Goods.
		LC50 Median lethal concentration.
		LD50 Median lethal dose.
		LogPow logarithm of the octanol/water partition coefficient.
		MARPOL 73/78 International Convention for the Prevention of
		Pollution From Ships, 1973 as modified by the Protocol of 1978.
		NOS Not otherwise specified. OEL Occupational Exposure Limit.
		OSHA Occupational Safety and Health Administration (USA).
		PBT Persistent, Bioaccumulative, and Toxic.
		PEL Permissible Exposure Limit.
		RID The Regulations concerning the International Carriage of
		Dangerous Goods by Rail.
		SADT Self-Accelerating Decomposition Temperature.
		SARA Superfund Amendments and Reauthorization Act.
		SCBA Self-Contained Breathing Apparatus.
		SDS Safety Data Sheet. STOT Specific Target Organ Toxicity.
		STOT-RE Specific Target Organ Toxicity - Repeated Exposure.
		STOT-SE Specific Target Organ Toxicity - Single Exposure.
		TSCA Toxic Substances Control Act.
		UN United Nations.
		USA United States of America.
	 	vPvB very Persistent very bioaccumulative.
16.1f	t of hazard statements and/or precautionary ents not written out in full elsewhere:	All statements were written out in full.
DISCLA		ic material designated and may not be valid for such material used
Jiooli	 in combination with any other materials o knowledge and belief, accurate and reliab	r in any process. Such information is, to the best of the company's le as of the date indicated. However, no warranty guarantee or liability, or completeness. It is the user's responsibility to satisfy

### END OF SDS