

SAFETY DATA SHEET (SDS)

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

.1	Product identifier:	Phosph-Free Block	
.1a	Other means of identification:		
.1b	Alternative product name(s)/ synonyms	s: Phosph-Free Blocker; Phosph-Free Block Buffer; BB4	
.1c	Product number/Catalog #(s):	5141, 6262, 6263, 6264, 6265	
.1d	Internal identification:	Phosph-Free Blocker; Phosph-Free Block Buffer; BB4	
.2	Relevant identified uses of the substance or	For research use only. Not for use in diagnostic procedures.	
.2	mixture and uses advised against:	To research use only. Not for use in diagnostic procedures.	
1.2a	Brief description of what the substance or mixture	e is Phosphate-free, non-protein blocking buffer designed to eliminate	
	intended to do:	interference and nonspecific background signal in ELISAs.	
.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	
1.3e	Fax number:	952-888-8988	
.3f	Website:	www.immunochemistry.com	
.3g	Email:	help@immunochemistry.com	
1.3h	Contact person at ICT:	Quality Documentation Department ICT: 1-800-829-3194 (USA & Canada) or 952-888-8788 world wide;	
1.4	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 accepte	
Soctio	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	Does not meet the criteria for classification.	
2.10	{CLP}:	Does not meet the official for classification.	
2.1c	The most important adverse physiochemical, hur	man Prolonged skin contact may cause redness and irritation. Refer to	
	health, and environmental effects:	Sections 4, 9-12.	
2.2	Label elements:	None.	
2.2a	GHS label elements, including precautionary	None.	
z.zu	statements:	None.	
2.2b	Contains:	None.	
2.2c	Labeling in accordance with (EC) No. 1272/2008		
2.2d 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 vi		
2.3b	Other hazards which do not result in classification	n: Contains ≤ 0.1% Sodium Azide (CAS #26628-22-8; EC #247-852-1)	
		which is below the threshold for hazard classification.	
	on 3: Composition/information on ingredients	Itom is a misture therefore Costies 2.4 is not applicable.	
3.1	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	ROTH IS A HILAUTO.	
	concentration ranges of all ingredients which are		
	hazardous and are present above their cut-off lev		
	3.2a Chemical identity:	Sucrose Malandar farmada of access in C. H. O.	
	3.2b Common name, synonyms, etc.:	Molecular formula of sucrose is C ₁₂ H ₂₂ O ₁₁	
	3.2c CAS number and	3.2e % 3.2f Classification according to (EC) No.	
	other unique identifiers: 3.2d EC number		
	57-50-1 200-334-9	1-10% Not classified.	

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		ective: 03/20/2017, Supersedes: F17-3141-2-C, Fage 2 01 6
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
4.1a	iiiiaatioii.	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
	ingeotion.	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	Also contains sodium azide, which is below the threshold for hazard
	and delayed:	classification, but may cause redness and irritation after prolonged
4.0		exposure.
4.2a	Inhalation:	May cause coughing or mild irritation.
4.2b 4.2c	Skin contact: Eye contact:	Prolonged skin contact may cause redness and mild irritation. 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
1.0	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.
Soction	n E. Eirofighting moogures	
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
	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 5.3	Protective measures in fire: Advice for firefighters:	Use protective equipment appropriate for surrounding materials. Keep away from heat, hot surfaces, sparks, open flames and other
5.5	Advice for intelligitiers.	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
	firefighters:	apparatus, if necessary. The product presents no special fire hazards
	, and the second	in normal use. Keep away from heat, hot surfaces, sparks, open
		flames and other ignition sources. No smoking.
6.1	on 6: Accidental release measures	Lie a materitica particular and comprehensiate for according materials
0.1	Personal precautions, protective equipment, and emergency procedures:	Use protective equipment appropriate for surrounding materials.
6.1a	General release measures:	No specific emergency measures are required other than good
0	Constant stocked modernoon	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
6.3	procedures:	emergency (also refer to Section 8).
6.2	Environmental precautions:	Do not allow to enter drains, sewers, or watercourses.

Phosph-Free Block SDS; Doc# F17-5141-2-D; Effective: 05/26/2017; Supersedes: F17-5141-2-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. 7.1a Prevent handling of incompatible substances or Avoid contact with strong acids and strong oxidizers. mixtures: 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 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 **Control parameters:** 8.1 8.1a Occupational exposure limits, such as chemical The liquid mixture is not in respirable form. identity, standard, TWA-8 hours (time weighted Contains Sucrose: ACGIH TLV (United States, 3/2015) average), STEL-15 minutes (short term exposure limit), etc.: WEL = Workplace Exposure Limit. Sk = TWA: 10 mg/m³ - 8 hours can be absorbed through skin. EH40/2005 WELs (United Kingdom (UK), 12/2011) STEL: 20 mg/m³ 15 minutes. TWA: 10 mg/m³ 8 hours. 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. Ensure that eyewash stations and safety showers are proximal to the 8.2b Engineering controls: workstation location. Provide adequate ventilation. 8.2c 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. Use suitable protective gloves if risk of skin contact. 8.2g Hand protection: Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate 8.2h 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

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	Information on basic physical and chemical properties:	•	
9.1a	Appearance (physical state, color, etc.):	Liquid; colorless.	
9.1b	Odor:	Characteristic.	
9.1c	Odor threshold:	Not determined.	
9.1d	pH:	7.1-7.5	
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 determined.	
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): Decomposition temperature (°C):	Not determined.	
9.1q 9.1r	Viscosity:	Not determined.	
9.11 9.1s	Explosive properties:	Not determined. Not determined.	
9.18 9.1t	Oxidizing properties:	Not determined.	
9.1t 9.2	Oxidizing properties: Other information:	Not determined. None.	
9.2a	Other information. Other physical or chemical parameters:	None.	
5.2a	Other physical of chemical parameters.	None.	
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 occur.	
10.4	Conditions to avoid:	Avoid exposure to high temperatures or direct sunlight.	
10.5	Incompatible materials:	Strong acids. Strong oxidizing substances.	
10.6	Hazardous decomposition products:	None under normal conditions.	
Section	n 11: Toxicological information		
11.1	Information on toxicological effects:		
11.1a	Name:	Sucrose	
11.1b	Acute toxicity:	Oral LD50 Rat 29,700 mg/kg	
11.1c	Skin corrosion/irritation:	Not determined.	
	Serious eye damage/irritation:	Not determined.	
11.1d	Serious eye damage/irritation: Respiratory or skin sensitization:	Not determined. Not determined.	
11.1d 11.1e			
11.1d 11.1e 11.1f	Respiratory or skin sensitization:	Not determined.	
11.1d 11.1e 11.1f 11.1g 11.1h	Respiratory or skin sensitization: Germ cell mutagenicity:	Not determined. Not determined.	
11.1d 11.1e 11.1f 11.1g	Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity:	Not determined. Not determined. Not determined.	
11.1d 11.1e 11.1f 11.1g 11.1h	Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity:	Not determined. Not determined. Not determined. Not determined.	
11.1d 11.1e 11.1f 11.1g 11.1h 11.1i	Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure:	Not determined. Not determined. Not determined. Not determined. Not determined.	
11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k	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. May enter by skin and/or eye contact; inhalation of vapors/mist/dust.	
11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1j 11.1k 11.1l	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.	
11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1j 11.1k 11.1l	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. 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	
11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1,1j 11.1k 11.1l	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. 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.	
11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l	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:	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.	
11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l 11.1m 11.1m	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:	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.	
11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j 11.1k 11.1l 11.1m 11.1m 11.1n	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:	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.	
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	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:	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.	
11.1d 11.1e 11.1f 11.1f 11.1h 11.1h 11.1j 11.1k 11.1l 11.1m 11.1n 11.1n 11.1q 11.1q	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. 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.	
11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1k 11.1l 11.1n 11.1n 11.1n 11.1n 11.1c 11.1c	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:	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.	
11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1k 11.1l 11.1m 11.1n 11.1n 11.1c 11.1c 11.1c 11.1t 11.1t	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:	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 applicable.	
11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1k 11.1l 11.1m 11.1n 11.1n 11.1n 11.1c 11.1r 11.1t 11.1t	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. 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.	
11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1k 11.1l 11.1m 11.1n 11.1n 11.1n 11.1c 11.1r 11.1t 11.1t 11.1t	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. 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.	
11.1d 11.1e 11.1f 11.1f 11.1h 11.1i 11.1k 11.1k 11.1n 11.1n 11.1n 11.1n 11.1c 11.1r 11.1s 11.1t 11.1t	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. 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.	
11.1d 11.1e 11.1f 11.1f 11.1h 11.1i 11.1k 11.1k 11.1n 11.1n 11.1n 11.1n 11.1c 11.1c 11.1t 11.1t 11.1t 11.1t	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):	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. Not classified.	
1.1d 1.1e 1.1f 1.1f 1.1f 1.1h 1.1h 1.1k 1.1k 1.1h 1.1n 1.1n 1.1n 1.1c 1.1c 1.1t 1.1t 1.1t 1.1t 1.1t 1.1t	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 OSHA 13:	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 applicable. Item is a mixture. See Section 3 for any substances in the mixture. Not classified.	

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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 12.4	Bioaccumulative potential: Mobility in soil:	No data available on bioaccumulation.
		Mobility in soil is unknown (the product is soluble in water).
12.5 12.6	Results of PBT and vPvB assessment: Other adverse effects:	Not determined.
12.0	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.
		enects 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	Normal disposal with copious amounts of water. Observe all federal,
i	their safe handling and methods of disposal,	state and local laws when considering most appropriate disposal
	including the disposal of any contaminated	method.
	packaging:	
0	. 44 41.6	
	14: Transport information	Not applicable
14.1 14.2	UN number: UN proper shipping name:	Not applicable. Not applicable.
14.2	Transport hazard class(es):	Not applicable.
14.4	Packing group:	Not applicable.
14.5	Environmental hazards:	ινοι αργιιοανίο.
14.5a	Is it environmentally dangerous according to UN	No.
1 F.Ja	Model Regulations (IMDG Code, ADR, RID, and	1.0.
	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.
Santiar	1 15: Regulatory information	
15.1	Safety, health and environmental	
13.1	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):	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
1 <i>E</i> 41.	Cuidanas notas:	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.
	Other regulatory information:	None.
15.2a	Other regulatory information.	Trone.
		1101101
Section	n 16: Other information	110110
Section 16.1	n 16: Other information Other information:	
Section	n 16: Other information	26-May-2017 F17-5141-2-D

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16.1c	Supers	edes SDS number and revision:	F17-5141-2-C
16.1d		es made to the previous version of the SDS:	Reviewed and updated document control numbers.
16.1e	Key/leg	end to abbreviations and acronyms used in S:	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 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.
16.1f		t of hazard statements and/or precautionary	vPvB very Persistent very bioaccumulative. All statements were written out in full.
		ents not written out in full elsewhere:	
DISCLA	AIMER:		fic 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 ole as of the date indicated. However, no warranty guarantee or
			eliability, or completeness. It is the user's responsibility to satisfy

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