

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

Section 1: Identification of the substance/mixture and of the co			
		IgM-Reducing Assay Diluent	
1.1a	Other means of identification:	AD2	
1.1b	Alternative product name(s)/ synonyms: Product number/Catalog #(s):	519, 623, 624, 625, 672	
1.1c 1.1d	Internal identification:	AD2	
1.1u 1.2	Relevant identified uses of the substance or mixture	For research use only. Not for use in diagnostic procedures.	
1.2	and uses advised against:	To research use only. Not for use in diagnostic procedures.	
1.2a	Brief description of what the substance or mixture is intended to do:	A buffered solution designed to equalize matrix differences 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 USÁ, 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	n 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):	Eye Dam. 1, H318 Causes serious eye damage.	
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:	≥ 3 - < 5% Sodium Metabisulfite	
2.2c 2.2d	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):		
		GHS05 Corrosion.	
2.2e	Signal word:	Danger.	
2.2f	Hazard statements:	H318 Causes serious eye damage.	
2.2g	Precautionary statements:	P264 Wash hands thoroughly after handling.	
9		P280 Wear eye/face protection. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
2 2h	Supplementary pressution statements:	P305 + P310 If in eyes: Immediately call a POISON CENTER/doctor. None.	
2.2h 2.3	Supplementary precaution statements: Other hazards:	None. No additional information available.	
/ .5	Does the chemical meet the criteria for PBT or vPvB?		
	i izoes ne chemical neel ne chiena loi PBT of VPVB?	Not applicable.	
2.3a	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 salts and phosphates which are below the threshold for hazard classification, but may cause redness and irritation after prolonged exposure.	
2.3a 2.3b	Other hazards which do not result in classification:	is below the threshold for hazard classification. Contains salts and phosphates which are below the threshold for hazard classification, but	
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	The chemical identity and con	centration or concentration		; Supersedes: F17-519-2-B; Page 2 of 6
	ranges of all ingredients which are hazardous and are present above their cut-off levels:			
	3.2a Chemical identity:	CIO.	Sodium Metabisulfit	te
	3.2b Common name, synonyms, etc.:		Sodium disulfite Sodium pyrosulfite Chemical formula: Na ₂ S ₂ O ₅ Molecular weight: 190.10	
	3.2c CAS number and		3.2e %	3.2f Classification according to (EC) No. 1272/2008
	other unique identifiers: CAS # 7681-57-4. Index # 016-063-00-2.	3.2d EC number: 231-673-0	Concentration: ≥ 3 - < 5%	Acute Tox. 4, H302 Harmful if swallowed. Eye Dam. 1, H318 Causes serious eye damage. Aquatic Chronic 3, H412 Harmful to aquatic life with long lasting effects.
3.2u	Other information on the mixtu	ıre:	None.	
Section	n 4: First aid measures			
4.1	ection 4: First aid measures .1 Description of first aid measures:			edical attention/advice and provide physician with SDS contaminated clothing before reuse. Never give inscious person.
4.1a	Inhalation:		Remove to fresh air breathing. If not bre	rand keep at rest in a comfortable position for athing, give artificial respiration. Rinse nose and mouth dical attention if any discomfort continues.
4.1b	Skin contact:		Wash skin thorough rinse for at least 15	nly with soap and water for several minutes; continue to minutes. Remove any contaminated clothing and broughly before reuse. Get medical attention if any
4.1c	Eye contact:		Immediately wash e sure to remove any	on immediately! Call a poison center or physician. eyes with plenty of water while lifting the eyelids. Make contact lenses from the eyes before rinsing. Continue 15 minutes. Chemical burns must be treated hysician.
4.1d	Ingestion:		NEVER MAKE AN Rinse mouth thorou	UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Ighly. Do not induce vomiting without advice from ighter or medical professional. Get medical attention if any
4.2 4.2a	Most important symptoms and effects, both acute and delayed: Inhalation:		Refer to Sections 2 and 11 for most important known symptoms and effects. May cause coughing or mild irritation.	
4.2b	Skin contact:		Prolonged skin contact may cause mild irritation.	
4.2c	Eye contact:		Causes serious eye damage.	
4.2d	Ingestion:		May cause discomfort if swallowed.	
4.3	Indication of any immediate medical attention and special treatment needed:		case of accidental e	
4.3a	Notes to physician/first respor	nder:	Treat symptomatica protective equipment	ally. Refer to Sections 5-8 for advice on personal nt.
Section	n 5: Firefighting measures			
5.1	Extinguishing media:		the surrounding ma	
5.1a 5.1b	Suitable extinguishing media Unsuitable extinguishing me		Water spray, foam, None known.	dry powder, or carbon dioxide.
5.2	Special hazards arising from mixture:	m the substance or	This product is not f reactions known un	flammable. Product is not explosive. No dangerous der normal conditions of use.
5.2a	Hazardous combustion prod		None under normal	conditions. explosion hazards noted.
5.2b 5.2c	Unusual fire & explosion haz Protective measures in fire:	aiu5.		pment appropriate for surrounding materials.
5.20	Advice for firefighters:			at, hot surfaces, sparks, open flames and other ignition
5.3a	Special firefighting procedure		sources. No smoking No specific firefighting the specific firefighting	ng. Ing procedure given.
5.3b	Special protective equipmen firefighters:	t and precautions for	if necessary. The pr	clothing, including self-contained breathing apparatus, roduct presents no special fire hazards in normal use. at, hot surfaces, sparks, open flames and other ignition ag.
Section	n 6: Accidental release meası	ıres		
6.1	Personal precautions, protemergency procedures:			pment appropriate for surrounding materials.
6.1a	General release measures:		hygiene and safety clothing, gloves and	ncy measures are required other than good laboratory practices for small spills. Wear suitable protective deeper or face protection. Consult professional nel if concerned (see Section 8).

IgM-Reducing Assay Diluent SDS; Doc# F17-519-2-C; Effective: 06/09/2017; Supersedes: F17-519-2-B; Page 3 of 6 6.1b Advice for non-emergency personnel; personal No specific emergency measures are required other than good laboratory precautions, protective equipment and emergency hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and procedures: 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 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). procedures: 6.2 **Environmental precautions:** Do not allow to enter drains, sewers, or watercourses. 6.3 Methods and materials for containment and clean Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable container for up: 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 7.1a Prevent handling of incompatible substances or Avoid contact with strong acids and strong oxidizers. Do not eat, drink, or smoke in work areas. Wash hands after use. Remove 7.1b Advice on general occupational hygiene: contaminated clothing and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices. Store in cool place. Keep container tightly closed in a dry and well-7.2 Conditions for safe storage, including any incompatibilities: 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 Sodium Metabisulfite: ACGIH TLV (United States, 3/2016); TWA: 5 mg/m3 identity, standard, TWA-8 hours (time weighted 8 hours; OSHA PEL 1989 (United States, 3/1989); TWA: 5 mg/m³ 8 hours; average), STEL-15 minutes (short term exposure limit), NIOSH REL (United States, 10/2013); TWA: 5 mg/m3 10 hours. EH40/2005 etc.: WEL = Workplace Exposure Limit. Sk = can be WELs (United Kingdom (UK), 12/2011) TWA: 5 mg/m³ 8 hours. 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 Ensure that eyewash stations and safety showers are proximal to the Engineering controls: workstation location. 8.2c Ventilation controls: Provide adequate ventilation. 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. Hand protection: 8.2g Where risk assessment shows air-purifying respirators are appropriate use 8.2h Respiratory equipment: 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. 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

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		clothing that becomes contaminated. Use appropriate skin cream to
		prevent drying of skin. When using do not eat, drink, or smoke. Wash
0.01		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.
0	O Blooded on Lebender between	
	9: Physical and chemical properties	
9.1	Information on basic physical and chemical properties:	•
0.10	Appearance (physical state, color, etc.):	Liquid; clear or white.
9.1a 9.1b	Odor:	Characteristic.
9.1b	Odor threshold:	Not determined.
9.1d	pH:	6.4-6.6
9.1u 9.1e	Melting point/freezing point (°C):	Not determined.
9.1e 9.1f	Initial boiling point and boiling range:	Not determined. <100°C @ 760 mm Hg.
9.11 9.1g	Flash point (°C):	Not applicable.
9.1g 9.1h	Evaporation rate:	Not determined.
	Flammability (solid, gas):	Not applicable.
9.1i	Upper/lower flammability or explosive limits:	Not applicable.
9.1j	Vapor pressure:	Not determined.
9.1k 9.1l	Vapor density (Air =1):	Not determined.
	Relative density:	Not determined.
9.1m	· · · · · · · · · · · · · · · · · · ·	Soluble in water.
9.1n	Solubility(ies):	
9.10	Partition coefficient (N-octanol/water): Auto-ignition temperature (°C):	Not determined. Not determined.
9.1p	Decomposition temperature (°C):	
9.1q		Not determined.
9.1r	Viscosity:	Not determined.
9.1s	Explosive properties:	Not determined.
9.1t	Oxidizing properties: Other information:	Not determined. None.
9.2		
9.2a	Other physical or chemical parameters:	None.
Soction	10: Stability and reactivity	
10.1	Reactivity:	No data available.
10.1	Chemical stability:	Stable under normal temperature conditions.
10.2	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.	direct sunlight or light.
10.5	Incompatible materials:	Strong acids. Strong oxidizing substances.
10.6	Hazardous decomposition products:	Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon
		dioxide (CO2), and nitrous gases (NOx).
		dioxide (CO2), and nitrous gases (NOx).
Section	11: Toxicological information	dioxide (CO2), and nitrous gases (NOx).
Section	11: Toxicological information Information on toxicological effects:	dioxide (CO2), and nitrous gases (NOx).
11.1 11.1a	Information on toxicological effects: Name:	. Sodium Metabisulfite
11.1 11.1a 11.1b	Information on toxicological effects: Name: Acute toxicity:	. Sodium Metabisulfite Sodium Metabisulfite: Oral LD50 Rat 1131 mg/kg
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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: Germ cell mutagenicity:	. Sodium Metabisulfite Sodium Metabisulfite: Oral LD50 Rat 1131 mg/kg Sodium Metabisulfite: Dermal LD50 Rat >2000 mg/kg. Eyes - Rabbit. Result: risk of serious damage to eyes (OECD Test Guideline 405). Sodium Metabisulfite: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Not determined.
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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):	Sodium Metabisulfite Sodium Metabisulfite: Oral LD50 Rat 1131 mg/kg Sodium Metabisulfite: Dermal LD50 Rat >2000 mg/kg. Eyes - Rabbit. Result: risk of serious damage to eyes (OECD Test Guideline 405). Sodium Metabisulfite: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Not determined. Not genter by ingestion; 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
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11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1i 11.1n 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:	Sodium Metabisulfite Sodium Metabisulfite: Oral LD50 Rat 1131 mg/kg Sodium Metabisulfite: Dermal LD50 Rat >2000 mg/kg. Eyes - Rabbit. Result: risk of serious damage to eyes (OECD Test Guideline 405). Sodium Metabisulfite: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Not determined. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Prolonged contact may cause redness, irritation, and dry skin.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1i 11.1n 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:	Sodium Metabisulfite Sodium Metabisulfite: Oral LD50 Rat 1131 mg/kg Sodium Metabisulfite: Dermal LD50 Rat >2000 mg/kg. Eyes - Rabbit. Result: risk of serious damage to eyes (OECD Test Guideline 405). Sodium Metabisulfite: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Not determined. In determined. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Prolonged contact may cause redness, irritation, and dry skin. Causes serious eye damage.
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11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1i 11.1n 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:	Sodium Metabisulfite Sodium Metabisulfite: Oral LD50 Rat 1131 mg/kg Sodium Metabisulfite: Dermal LD50 Rat >2000 mg/kg. Eyes - Rabbit. Result: risk of serious damage to eyes (OECD Test Guideline 405). Sodium Metabisulfite: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Not determined. In determined. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Prolonged contact may cause redness, irritation, and dry skin. Causes serious eye damage. In specific symptoms noted.
11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1i 11.1i 11.1n 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	Sodium Metabisulfite Sodium Metabisulfite: Oral LD50 Rat 1131 mg/kg Sodium Metabisulfite: Dermal LD50 Rat >2000 mg/kg. Eyes - Rabbit. Result: risk of serious damage to eyes (OECD Test Guideline 405). Sodium Metabisulfite: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Not determined. In determined. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Prolonged contact may cause redness, irritation, and dry skin. Causes serious eye damage.
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	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:	Sodium Metabisulfite Sodium Metabisulfite: Oral LD50 Rat 1131 mg/kg Sodium Metabisulfite: Dermal LD50 Rat >2000 mg/kg. Eyes - Rabbit. Result: risk of serious damage to eyes (OECD Test Guideline 405). Sodium Metabisulfite: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Not determined. In determined. In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Prolonged contact may cause redness, irritation, and dry skin. Causes serious eye damage. In specific symptoms noted.
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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	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: 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	Sodium Metabisulfite: Oral LD50 Rat 1131 mg/kg Sodium Metabisulfite: Dermal LD50 Rat >2000 mg/kg. Eyes - Rabbit. Result: risk of serious damage to eyes (OECD Test Guideline 405). Sodium Metabisulfite: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Not determined. Not determined. Not determined. Not determined. Not determined. May enter by ingestion; 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. Prolonged contact may cause redness, irritation, and dry skin. Causes serious eye damage. No specific symptoms noted.
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F .	IgM-Reducing Assay Diluent SDS; Doc# F17-519-2-C;	
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 on Cancer (IARC):	Not classified.
11.1z	Classification by OSHA 13:	Not classified.
11.12	Other information:	None.
11.100	- Curor información	110110
Section	12: Ecological information	
12.1	Toxicity:	
12.1a	Name:	Sodium Metabisulfite.
12.1b	Ecotoxicity (aquatic and terrestrial, where available):	Sodium metabisulphite: Acute LC50 32 mg/l Fresh water Fish - Lepomis
		macrochirus 96 hours. LC50 Oncorhynchus mykiss (rainbow trout) 150-
		220 mg/L - 96 h. EC50 Daphnia magna (water flea) 89 mg/L - 24 h. IC50 Desmodesmus subspicatus (green algae) 48 mg/L - 72 h. Pseudomonas
		putida (bacteria) - 56 mg/L - 17 h.
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:	No data available.
12.5	Results of PBT and vPvB assessment:	Not determined.
12.6	Other adverse effects:	The product contains a substance that is toxic to aquatic organisms and
		that may cause long term adverse effects in the aquatic environment.
		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.
	13: Disposal considerations	
13.1	Waste treatment methods:	When handling waste, consideration should be made to the safety
40.4	Description of wests residues and information on the tr	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	Dispose of waste and residues in accordance with local authority requirements. For the safety of persons conducting disposal, recycling or
	disposal of any contaminated packaging:	reclamation activities, please refer to the information in Section 8
	disposal of any somanimated pashaging.	(exposure controls and personal protection) of the SDS.
	14: Transport information	
14.1	UN number:	Not applicable.
14.2	UN proper shipping name: Transport hazard class(es):	Not applicable. Not applicable.
14.4	Packing group:	Not applicable.
14.5	Environmental hazards:	Not applicable.
14.5a	Is it environmentally dangerous according to UN Model	No.
	Regulations (IMDG Code, ADR, RID, and ADN)?:	
14.5b	Is it a marine pollutant according to the IMDG code?:	No.
14.6	Special precautions for user:	None known.
14.7	Transport in bulk according to Annex II of MARPOL and the IBC code:	Not applicable.
14.7a	Other information:	The product is not considered a dangerous good for transport.
14.7b	Classification for other modes of transport:	Contact supplier.
. 1.70		
Section	15: Regulatory information	
15.1	Safety, health and environmental	
1	regulations/legislation apositic for the substance or	
	regulations/legislation specific for the substance or mixture:	
15.1a	mixture: Regional safety, health and environmental regulations specific for the product in question:	
15.1a	mixture: Regional safety, health and environmental regulations	Sodium azide (CAS # 26628-22-8) is listed under 302, 304, 313. Sodium metabisulfite is listed under SARA 311/312 as an acute health hazard.
	mixture: Regional safety, health and environmental regulations specific for the product in question:	metabisulfite is listed under SARA 311/312 as an acute health hazard, chronic health hazard.
	mixture: Regional safety, health and environmental regulations specific for the product in question:	metabisulfite is listed under SARA 311/312 as an acute health hazard, chronic health hazard. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-
15.1b	mixture: Regional safety, health and environmental regulations specific for the product in question: USA SARA Components (such as 302/311/313):	metabisulfite is listed under SARA 311/312 as an acute health hazard, chronic health hazard.
15.1b 15.1c 15.1d	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:	metabisulfite is listed under SARA 311/312 as an acute health hazard, chronic health hazard. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed.
15.1b	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:	metabisulfite is listed under SARA 311/312 as an acute health hazard, chronic health hazard. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-Sodium azide (CAS# 26628-22-8) and Sodium metabisulfite (CAS# 7681-
15.1b 15.1c 15.1d	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:	metabisulfite is listed under SARA 311/312 as an acute health hazard, chronic health hazard. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed.
15.1b 15.1c 15.1d 15.1e 15.1f 15.1g	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}:	metabisulfite is listed under SARA 311/312 as an acute health hazard, chronic health hazard. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed.
15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h	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:	metabisulfite is listed under SARA 311/312 as an acute health hazard, chronic health hazard. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed. Not listed.
15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i	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:	metabisulfite is listed under SARA 311/312 as an acute health hazard, chronic health hazard. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed. Not listed. Not listed.
15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h	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:	metabisulfite is listed under SARA 311/312 as an acute health hazard, chronic health hazard. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed. Not listed. Not listed. Not listed. Classification and labeling of substances and preparations dangerous for
15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j	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:	metabisulfite is listed under SARA 311/312 as an acute health hazard, chronic health hazard. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed. Not listed. Not listed. Not listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.
15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1i 15.1j	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:	metabisulfite is listed under SARA 311/312 as an acute health hazard, chronic health hazard. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are 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.
15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j	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:	metabisulfite is listed under SARA 311/312 as an acute health hazard, chronic health hazard. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed. Not listed. Not listed. Not listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.

	IgM-Reducing Assay Diluent SDS; Doc# F17-519	-2-C; Effective: 06/09/2017; Supersedes: F17-519-2-B; Page 6 of 6
		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.
	16: Other information	
16.1	Other information:	
16.1a	Date of revision:	09-Jun-17
16.1b	SDS number and revision:	F17-519-2-C F17-519-2-B
16.1c	Supersedes SDS number and revision:	
16.1d 16.1e	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in the	Updated to comply with EC 1272/2008 CLP regulations, EC 830/2015. ACGIH American Conference of Governmental Industrial Hygienists.
	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. Log9ow 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 Exposure Limit. OSHA Occupational 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-SE Specific Target Organ Toxicity - Repeated Exposure. STOT-SE Specific Target Organ Toxicity - Single Exposure. UN United Nations. USA United States of America.
16.1f	Full text of hazard statements and/or precautionary	vPvB very Persistent very bioaccumulative. All statements were written out in full.
10.11	statements not written out in full elsewhere:	7 th statements were written out in full.
DISCLA		cific material designated and may not be valid for such material used in
		in any process. Such information is, to the best of the company's

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.