General Assay Diluent SDS; Doc# F17-518-2-D; Effective: 06/22/2020; Supersedes: F17-518-2-C; Page 1 of 7

TECHNOLOGIES LLC

1.1	on 1: Identification of the substance/mixture and of the Product identifier:	General Assay Diluent
1.1a	Other means of identification:	
1.1b	Alternative product name(s)/ synonyms:	AD1
1.1c	Product number/Catalog #(s):	518, 620, 621, 622, 671
1.1d	Internal identification:	AD1
1.2	Relevant identified uses of the substance or	Product intended for research use or for further manufacturing into in
	mixture and uses advised against:	vitro diagnostics reagents only. Not intended for use in human or
		therapeutics purposes.
1.2a	Brief description of what the substance or mixture is	A buffered solution designed to equalize matrix differences in ELISAs
	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;
1.4		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
		Canada. 1-000-424-9500 01 +1 705-527-5667. Collect calls accepted
Sootia	on 2: Hazards identification	
2.1	Classification of the substance or mixture:	
		Mixturo
2.1a	Product is a:	Mixture.
2.1b	Classification according to (EC) No. 1272/2008	Skin Sens. 1, H317 May cause an allergic skin reaction.
	{CLP}:	Aquatic Chronic 3, H412 Harmful to aquatic life with long lasting
		effects.
2.1c	The most important adverse physiochemical, human	Refer to Sections 9-12.
	health, and environmental effects:	
2.2	Label elements:	
2.2a	GHS label elements, including precautionary	
	statements:	
2.2b	Contains:	≤0.0085% 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):	
		i i i i i i i i i i i i i i i i i i i
		GHS07 Exclamation.
2.2e	Signal word:	Warning.
2.2f	Hazard statements:	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.
		P302+P302 If off 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:	P272 Contaminated work clothing should not be allowed out of the
		workplace.
2.3	Other hazards:	P363 Wash contaminated clothing before reuse. No additional information available.

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2.3a	Does the chemical meet the	· · · · ·	Not applicable.	upersedes: F17-518-2-C; Page 2 of 7
2.3b	Other hazards which do not		None.	
0 4' -				
3.1	on 3: Composition/informati Substance:	on on ingredients	Item is a mixture th	erefore Section 3.1 is not applicable; see Section
•	Cabotanoon		3.2.	
3.2	Mixture:		Item is a mixture.	
	The chemical identity and c concentration ranges of all			
	hazardous and are present			
	3.2a Chemical identity:		Reaction mass of 5	-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl
			2H-isothiazol-3-one	
	3.2b Common name, synor	iyms, etc.:	ProClin300 (ProClin Company)	n® is a registered trademark of Dow Chemical
	3.2c CAS number and		<u>3.2e %</u>	3.2f Classification according to (EC) No.
	other unique identifiers:	3.2d EC number:	Concentration:	1272/2008 {CLP}:
	CAS: 55965-84-9; Annex VI Index: 613-167-00-5		≤0.0085%	Acute Tox. 3, H301 Acute Tox. 2, H310
	VT Index. 015-107-00-5			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
3.2g	Other ingredient: 3.2h Chemical identity:		Ethylenediaminetet	traacetic acid sodium salt dihydrate
	3.2i Common name, synony	/ms, etc.:	EDTA	
	3.2j CAS number and	,	<u>3.21 %</u>	3.2m Classification according to (EC) No.
	other unique identifiers:	3.2k EC number:	Concentration:	1272/2008 {CLP}:
	CAS: 6381-92-6	205-358-3	<10 %	Acute Tox. 4, H302
				Acute Tox. 4, H312
				Acute Tox. 4, H332
				Skin Irrit. 2, H315
				Eye Irrit. 2, H319 STOT SE 3, H335
				Aquatic Chronic 3, H412
3.2u	Other information on the mi	xture:	None.	
	n 4: First aid measures		· · ·	
4.1	Description of first aid me	easures:		nedical attention and provide physician with SDS
				contaminated clothing before reuse. Never give to an unconscious person.
4.1a	Inhalation:			r and keep at rest in a comfortable position for
	initial diotiti			eathing, give artificial respiration. Rinse nose and
			mouth with water.	Get medical attention if any discomfort continues.
4.1b	Skin contact:			hly with soap and water for several minutes;
				r at least 15 minutes. Remove any contaminated
				and wash thoroughly before reuse. Get medical
4.1c	Eye contact:		attention if any disc	comfort continues. Is with plenty of water while lifting the eyelids. Make
-1 .10	Lyc condol.			contact lenses from the eyes before rinsing.
				or at least 15 minutes. Get medical attention if any
			discomfort continue	es.
4.1d	Ingestion:			UNCONSCIOUS PERSON VOMIT OR DRINK
				uth thoroughly. Do not induce vomiting without
				control center or medical professional. Get medica
4.0	Moot important assess	and offects hath saut-	attention if any disc	
4.2	Most important symptoms and delayed:	s and enects, both acute	effects.	and 11 for most important known symptoms and
4.2a	Inhalation:		None known.	
4.2b	Skin contact:			lude irritation or redness.
4.2c	Eye contact:		None known.	
4.2d	Ingestion:		None known.	
4.3	Indication of any immedia special treatment needed		No additional inforr	nation available.
4.3a	Notes to physician/first resp		Treat symptomatica	ally. Refer to Sections 5-8 for advice on personal
			protective equipme	
	n E. Einstiel die			
	on 5: Firefighting measures			
5.1	Extinguishing media:			

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5.1a		mective: 06/22/2020; Supersedes: F1/-518-2-C; Page 3 of /
0.14	Suitable extinguishing media:	This product is not flammable. Use fire-extinguishing media appropriate for the surrounding materials.
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 (CO2; 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.
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 firefighters:	Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing appartus and protective suit (see Section 8).
Sectio	n 6: Accidental release measures	
6.1	Personal precautions, protective equipment, and 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 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, or 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. May be harmfu to the environment if large amounts are released.
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 skir or inhalation of spillage or vapor.
6.4	Reference to other sections:	Refer to Sections 8 and 13 for additional information.
7.1	n 7: Handling and storage 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.
		Refer to product label. Store in cool place. Keep container tightly
7.2	Conditions for safe storage, including any incompatibilities:	closed in a dry and well-ventilated place. Containers which are opene must be carefully resealed and kept upright to prevent leakage. Avoid
7.2		closed in a dry and well-ventilated place. Containers which are oper

	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 =	ffective: 06/22/2020; Supersedes: F17-518-2-C; Page 4 of 7 Not applicable.
	can be absorbed through skin.	
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	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.
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	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:	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
8.2k	Thermal hazards:	None known under normal conditions of use.
8.21	Environmental exposure controls:	Not determined.
Section 9.1	n 9: Physical and chemical properties Information on basic physical and chemical	
9.1	Information on basic physical and chemical properties:	
9.1 9.1a	Information on basic physical and chemical properties: Appearance (physical state, color, etc.):	Liquid; clear to light yellow. No specific data
9.1 9.1a 9.1b	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor:	No specific data.
9.1a 9.1a 9.1b 9.1c	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold:	No specific data. Not determined.
9.1a 9.1b 9.1c 9.1d	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH:	No specific data. Not determined. 7.2-7.6
9.1a 9.1b 9.1c 9.1d 9.1e	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C):	No specific data. Not determined. 7.2-7.6 Not determined.
9.1a 9.1b 9.1c	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH:	No specific data. Not determined. 7.2-7.6
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas):	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1a 9.1b 9.1c 9.1d 9.1d 9.1f 9.1g 9.1h 9.1i 9.1j	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1i 9.1j 9.1k	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1j 9.1k 9.1l	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor density (Air =1):	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1j 9.1k 9.1l 9.1l	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor density (Air =1): Relative density:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1b 9.1c 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1i 9.1j 9.1k 9.1l 9.1l 9.1n 9.1n	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies):	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1j 9.1k 9.1l 9.1l 9.1n 9.1n 9.1n 9.1o	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water):	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1b 9.1c 9.1d 9.1d 9.1e 9.1f 9.1g 9.1h 9.1j 9.1h 9.1j 9.1k 9.1l 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C):	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1b 9.1c 9.1d 9.1d 9.1e 9.1f 9.1g 9.1h 9.1j 9.1h 9.1j 9.1k 9.1l 9.1n 9.1n 9.1n 9.1o 9.1p 9.1q	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C):	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1j 9.1h 9.1i 9.1k 9.1l 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1f 9.1f 9.1j 9.1h 9.1i 9.1k 9.1l 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity: Explosive properties:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1j 9.1k 9.1l 9.1n 9.1n 9.1n 9.1o 9.1p 9.1q 9.1r 9.1s 9.1t	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity: Explosive properties: Oxidizing properties:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1f 9.1g 9.1h 9.1j 9.1k 9.1i 9.1k 9.1i 9.1k 9.1l 9.1n 9.1n 9.1n 9.1c 9.1g 9.1k 9.1j 9.1k 9.1l 9.1g 9.1k 9.1l 9.1g 9.1k 9.1l 9.1g 9.1k 9.1l 9.1k 9.1l 9.1g 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k 9.1l 9.1k	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity: Explosive properties: Oxidizing properties: Oxidizing properties:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1j 9.1k 9.1l 9.1n 9.1n 9.1n 9.1o 9.1p 9.1q 9.1r 9.1s 9.1t	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity: Explosive properties: Oxidizing properties:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1a 9.1b 9.1c 9.1d 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1h 9.1i 9.1k 9.1i 9.1k 9.1l 9.1n 9.1n 9.1n 9.1n 9.1p 9.1p 9.1c 9.1g 9.1k 9.1i 9.1g 9.1k 9.1j 9.1k 9.1c 9.1g 9.1k 9.1j 9.1k 9.1c 9.1d 9.1g 9.1k 9.1j 9.1k 9.1c 9.1k 9.1c 9.1k 9.1c 9.1k 9.1c 9.1k 9.1c 9.1k 9.1k 9.1k 9.1k 9.1k 9.1k 9.1k 9.1k	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity: Explosive properties: Oxidizing properties: Oxidizing properties: Other information: Other physical or chemical parameters:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.
9.1 9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1j 9.1h 9.1j 9.1k 9.1l 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1p 9.1q 9.1p 9.1q 9.1r 9.1s 9.1t 9.2 9.2a	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity: Explosive properties: Oxidizing properties: Oxidizing properties: Other information: Other physical or chemical parameters:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.

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10.4	Conditions to avoid:	ffective: 06/22/2020; Supersedes: F17-518-2-C; Page 5 of 7 To avoid product degradation, avoid exposure to high temperatures or
40 5		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.
Continu	44. Toxicological information	
Section 11.1	n 11: Toxicological information Information on toxicological effects:	
11.1a	Name:	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.
11.1g	Carcinogenicity:	Not determined.
<u>11.1h</u>	Reproductive toxicity:	Not determined.
<u>11.1i</u>	STOT-single exposure:	Not determined.
11.1j	STOT-repeated exposure:	Not determined. Not determined.
<u>11.1k</u> 11.1l	Aspiration hazard: Information on the likely routes of exposure	Not determined.
11.11	(inhalation, ingestion, skin and eye contact):	
11.1m	Ingestion:	No known effects noted.
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.
11.1p	Eye contact:	No known effects noted.
11.1q	Symptoms related to the physical, chemical and	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
11.1s	Numerical measures of toxicity (such as acute	exposure(s). Not determined.
11.15	toxicity estimates):	
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.
44.4	on Cancer (IARC):	
<u>11.1z</u> 11.1ab	Classification by OSHA 13:	Not classified.
11.1ab	Other information:	None.
Sectio	n 12: Ecological information	
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	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
		licensed waste contractor for disposal.
0		
	n 14: Transport information	Net applicable
<u>14.1</u> 14.2	UN number: UN proper shipping name:	Not applicable. Not applicable.
	Transport hazard class(es):	Not applicable.
14 २		
14.3 14.4	Packing group:	Not applicable.

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14.5		Tecuve: 06/22/2020; Supersedes: F17-516-2-C; Page 6 01 7
	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.
	· · ·	· · · · · ·
Sectior	n 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):	SARA 302 Components: No chemicals in this material are subject to
		the reporting requirements of SARA Title III, Section 302 EHS TPQ or
		Section 313.
		SARA 311/312 classification: SKIN SENSITIZATION - Category 1.
15 4 -	LICA Magagabugatta Direkt ta Krasse	
15.1c	USA Massachusetts Right to Know:	No Components are listed.
15.1d	USA Pennsylvania Right to Know:	No Components are listed.
15.1e	USA New Jersey Right to Know:	No Components are listed.
15.1f	USA California Prop. 65:	Does not require a Safe Harbor warning under California Prop. 65.
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
15. IJ	Approved code of practice.	
		for supply. Safety data sheets for substances and preparations.
15.1k	Guidance notes:	Workplace exposure limits EH40.
15.1I	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:	SDS complies with Health Canada WHMIS 2015 requirements.
Section	n 16: Other information	
16.1	Other information:	
16.1a	Date of revision:	22 June 2020
16.1b	SDS number and revision:	F17-518-2 Version D
16.1c	Current adaption and and any visions	F17-518-2 Version C
16.1d	Supersedes SDS number and revision:	
10.10		
10.10	Changes made to the previous version of the SDS:	Reviewed and updated information related to ProClin 300; re-classified
10.10		Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified
10.10		Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates;
	Changes made to the previous version of the SDS:	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; updated document control numbers.
16.1e	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; updated document control numbers. ACGIH American Conference of Governmental Industrial Hygienists.
	Changes made to the previous version of the SDS:	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; updated document control numbers. ACGIH American Conference of Governmental Industrial Hygienists. ADN European Provisions concerning the International Carriage of
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; updated document control numbers. ACGIH American Conference of Governmental Industrial Hygienists. ADN European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway.
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; updated document control numbers. ACGIH American Conference of Governmental Industrial Hygienists. ADN European Provisions concerning the International Carriage of
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	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; 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.
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; 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.
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; 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.
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; 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.
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; 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.
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; 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.
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; 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.
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; 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.
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; 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.
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; 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.
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; 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
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; 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.
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; 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
	Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; 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.

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			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 - Nepeated Exposure.
			UN United Nations.
			USA United States of America.
			vPvB very Persistent very bioaccumulative.
			WHMIS Workplace Hazardous Materials Information System.
16.1f	Eull tox	t of bazard statements and pressutionary	H301 Toxic if swallowed.
10.11		t of hazard statements and precautionary ents not written out in full elsewhere:	H310 Fatal in contact with skin.
	Stateme	ents not written out in full eisewhere.	
			H330 Fatal if inhaled.
			H314 Causes severe skin burns and eye damage.
			H318 Causes serious eye damage.
			H317 May cause an allergic skin reaction.
			H400 Very toxic to aquatic life.
			H410 Very toxic to aquatic life with long lasting effects.
			EUH071: Corrosive To The Respiratory Tract.
			H302 Harmful if swallowed.
			H312 Harmful in contact with skin.
			H332 Harmful if inhaled.
			H315 Causes skin irritation.
			H319 Causes serious eye irritation.
			H335 May cause respiratory irritation.
DIGOL		This information values and the d	H412 Harmful to aquatic life with long lasting effects.
DISCL	AIMER:		ific 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
			ble as of the date indicated. However, no warranty guarantee or
			reliability, or completeness. It is the user's responsibility to satisfy
		himself as to the suitability of such info	mation for his own particular use.
			END OF SDS

END OF SDS

IgM-Reducing Assay Diluent SDS; Doc# F17-519-2-C; Effective: 06/09/2017; Supersedes: F17-519-2-B; Page 1 of 6

TECHNOLOGIES LLC

1.1	n 1: Identification of the substance/mixture and of the c Product identifier:	
		IgM-Reducing Assay Diluent
1.1a	Other means of identification:	
1.1b	Alternative product name(s)/ synonyms:	AD2
1.1c	Product number/Catalog #(s):	519, 623, 624, 625, 672
1.1d	Internal identification:	AD2
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 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 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	n 2: Hazards identification	
2.1	Classification of the substance or mixture:	
2.1a	Product is a:	Mixture.
2.1a 2.1b	Classification according to (EC) No. 1272/2008 {CLP}:	Eye Dam. 1, H318 Causes serious eye damage.
-	The most important adverse physiochemical, human	Refer to Sections 9-12.
2.1c	health, and environmental effects:	Relef 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	Labeling in accordance with (EC) No. 1272/2008:	
		GHS05 Corrosion.
		Deserve
2.2e	Signal word:	Danger.
2.2f	Hazard statements:	H318 Causes serious eye damage.
2.2f	Hazard statements:	H318 Causes serious eye damage.P264 Wash hands thoroughly after handling.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.P305 + P310 If in eyes: Immediately call a POISON CENTER/doctor.None.
2.2f 2.2g	Hazard statements: Precautionary statements:	H318 Causes serious eye damage.P264 Wash hands thoroughly after handling.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.P305 + P310 If in eyes: Immediately call a POISON CENTER/doctor.
2.2f 2.2g 2.2h	Hazard statements: Precautionary statements: Supplementary precaution statements:	H318 Causes serious eye damage.P264 Wash hands thoroughly after handling.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.P305 + P310 If in eyes: Immediately call a POISON CENTER/doctor.None.
2.2f 2.2g 2.2h 2.2h 2. 2h	Hazard statements: Precautionary statements: Supplementary precaution statements: Other hazards:	H318 Causes serious eye damage. P264 Wash hands thoroughly after handling. 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. P305 + P310 If in eyes: Immediately call a POISON CENTER/doctor. None. No additional information available.
2.2f 2.2g 2.2h 2.3 2.3a 2.3b	Hazard statements: Precautionary statements: Supplementary precaution statements: Other hazards: Does the chemical meet the criteria for PBT or vPvB? Other hazards which do not result in classification:	H318 Causes serious eye damage. P264 Wash hands thoroughly after handling. 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. P305 + P310 If in eyes: Immediately call a POISON CENTER/doctor. None. No additional information available. Not applicable. 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
2.2f 2.2g 2.2h 2.3 2.3a 2.3b	Hazard statements: Precautionary statements: Supplementary precaution statements: Other hazards: Does the chemical meet the criteria for PBT or vPvB?	H318 Causes serious eye damage. P264 Wash hands thoroughly after handling. 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. P305 + P310 If in eyes: Immediately call a POISON CENTER/doctor. None. No additional information available. Not applicable. 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

	IgM-Reducing Assay Dilu The chemical identity and con ranges of all ingredients which	centration or concentration	Effective: 06/09/2017	'; Supersedes: F17-519-2-B; Page 2 of 6
	present above their cut-off lev			
	3.2a Chemical identity:		Sodium Metabisulfit	de la constante
	3.2b Common name, synonyn	ns, etc.:	Sodium disulfite Sodium pyrosulfite Chemical formula: N Molecular weight: 1	Na₂S₂O₅
	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 # 7681-57-4. Index # 016-063-00-2.	231-673-0	≥ 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	ire:	None.	
Sectio	n 4: First aid measures			
4.1	Description of first aid meas	sures:		edical attention/advice and provide physician with SDS contaminated clothing before reuse. Never give
4.1a	Inhalation:		Remove to fresh air breathing. If not bre	and 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 proughly 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 er or medical professional. Get medical attention if any
4.2	Most important symptoms a and delayed:	nd effects, both acute	Refer to Sections 2 effects.	and 11 for most important known symptoms and
4.2a	Inhalation:		May cause coughin	
4.2b	Skin contact:			tact may cause mild irritation.
4.2c	Eye contact:		Causes serious eye	
4.2d 4.3	Ingestion: Indication of any immediate special treatment needed:	medical attention and		measures noted, but first aid may still be required in exposure, inhalation, or ingestion of this product. If in
4.3a	Notes to physician/first respon	der:		ally. Refer to Sections 5-8 for advice on personal
Sectio	n 5: Firefighting measures			
5.1	Extinguishing media:			flammable. Use fire-extinguishing media appropriate for
5.1a	Suitable extinguishing media			dry powder, or carbon dioxide.
5.1b 5.2	Unsuitable extinguishing med Special hazards arising fro mixture:	m the substance or		flammable. Product is not explosive. No dangerous der normal conditions of use.
5.2a	Hazardous combustion produ		None under normal	
5.2b	Unusual fire & explosion haz	ards:		explosion hazards noted.
5.2c	Protective measures in fire:			pment appropriate for surrounding materials.
5.3	Advice for firefighters:		sources. No smokin	
5.3a	Special firefighting procedure			ing procedure given.
5.3b	Special protective equipment firefighters:	and precautions for	if necessary. The pi	clothing, including self-contained breathing apparatus, roduct presents no special fire hazards in normal use. at, hot surfaces, sparks, open flames and other ignition ng.
Sectio	n 6: Accidental release measu	ires		
6.1	Personal precautions, prot emergency procedures:		Use protective equi	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 d eye or face protection. Consult professional nel if concerned (see Section 8).

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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/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 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. 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.
Sectio	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:	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.
	n 8: Exposure controls/personal protection	
8.1	Control parameters:	Codium Matabiaulita: ACOULTLY/(United States, 2/2016); TWA: 5 ms/m3
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.	Sodium Metabisulfite: ACGIH TLV (United States, 3/2016); TWA: 5 mg/m ³ 8 hours; OSHA PEL 1989 (United States, 3/1989); TWA: 5 mg/m ³ 8 hours; NIOSH REL (United States, 10/2013); TWA: 5 mg/m ³ 10 hours. EH40/2005 WELs (United Kingdom (UK), 12/2011) TWA: 5 mg/m ³ 8 hours.
8.1b 8.1c	Appropriate engineering controls: Individual protection measures, such as personal	Wear gloves, protective goggles, and lab coat.
8.1d	protective equipment: Safety symbols:	
o. 1u	Salety 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	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	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).
		appropriate government standardo odorr do rito orr (00) or o'Erv (EO).
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

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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
		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.

0.21	Environmental exposure controls.	
Section	n 9: Physical and chemical properties	
9.1	Information on basic physical and chemical	
5.1	properties:	
9.1a	Appearance (physical state, color, etc.):	Liquid; clear or white.
9.1b	Odor:	Characteristic.
9.1c	Odor threshold:	Not determined.
9.1d	pH:	6.4-6.6
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.
0.20		
Section	n 10: Stability and reactivity	
10.1	Reactivity:	No data available.
	Chemical stability:	Stable under normal temperature conditions.
10.2		
10.2 10.3	Possibility of hazardous reactions:	Hazardous polymerization: will not polymerize.
10.2 10.3 10.4	Possibility of hazardous reactions: Conditions to avoid:	Hazardous polymerization: will not polymerize. To avoid product degradation, avoid exposure to high temperatures or
10.3		To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light.
10.3	Conditions to avoid: Incompatible materials:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances.
10.3 10.4	Conditions to avoid:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances. Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon
10.3 10.4 10.5	Conditions to avoid: Incompatible materials:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances.
10.3 10.4 10.5 10.6	Conditions to avoid: Incompatible materials: Hazardous decomposition products:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances. Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon
10.3 10.4 10.5 10.6 Section	Conditions to avoid: Incompatible materials: Hazardous decomposition products:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances. Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon
10.3 10.4 10.5 10.6 Sectior 11.1	Conditions to avoid: Incompatible materials: Hazardous decomposition products: 11: Toxicological information Information on toxicological effects:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances. Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon dioxide (CO2), and nitrous gases (NOx).
10.3 10.4 10.5 10.6 Section 11.1 11.1a	Conditions to avoid: Incompatible materials: Hazardous decomposition products: 11: Toxicological information Information on toxicological effects: Name:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances. Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon dioxide (CO2), and nitrous gases (NOx).
10.3 10.4 10.5 10.6 Section 11.1 11.1a 11.1b	Conditions to avoid: Incompatible materials: Hazardous decomposition products: 11: Toxicological information Information on toxicological effects: Name: Acute toxicity:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances. Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon dioxide (CO2), and nitrous gases (NOx).
10.3 10.4 10.5 10.6 Section 11.1 11.1a 11.1b 11.1c	Conditions to avoid: Incompatible materials: Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances. Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon dioxide (CO2), and nitrous gases (NOx).
10.3 10.4 10.5 10.6 Section 11.1 11.1a 11.1b	Conditions to avoid: Incompatible materials: Hazardous decomposition products: 11: Toxicological information Information on toxicological effects: Name: Acute toxicity:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances. Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon dioxide (CO2), and nitrous gases (NOx). 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
10.3 10.4 10.5 10.6 Section 11.1 11.1a 11.1b 11.1c 11.1d	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:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances. Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon dioxide (CO2), and nitrous gases (NOx). 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).
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10.3 10.4 10.5 10.6 Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1d	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:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances. Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon dioxide (CO2), and nitrous gases (NOx). 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).
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	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:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances. Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon dioxide (CO2), and nitrous gases (NOx). 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.
10.3 10.4 10.5 10.6 Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1e	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:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances. Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon dioxide (CO2), and nitrous gases (NOx). 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.
10.3 10.4 10.5 10.6 Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1f 11.1g 11.1h	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:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light. Strong acids. Strong oxidizing substances. Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon dioxide (CO2), and nitrous gases (NOx). 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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44 4	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.
<u>11.1x</u>	Classification by National Toxicity Program (NTP):	Not classified. 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 11.1ab		None.
11.140	Other Information.	None.
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.
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 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.
	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 Model Regulations (IMDG Code, ADR, RID, and ADN)?:	No.
14.5b	Is it a marine pollutant according to the IMDG code?:	No.
<u>14.6</u> 14.7	Special precautions for user: Transport in bulk according to Annex II of MARPOL	None known. Not applicable.
	and the IBC code:	
14 72	and the IBC code:	The product is not considered a dangerous good for transport
	Other information:	The product is not considered a dangerous good for transport.
		The product is not considered a dangerous good for transport. Contact supplier.
14.7b	Other information: Classification for other modes of transport:	
14.7b Section	Other information:	
14.7b Section 15.1 15.1a	Other information: Classification for other modes of transport: 15: Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture: Regional safety, health and environmental regulations specific for the product in question:	Contact supplier.
14.7b Section 15.1 15.1a	Other information: Classification for other modes of transport: 15: Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture: Regional safety, health and environmental regulations	
14.7b Section 15.1 15.1a 15.1b	Other information: Classification for other modes of transport: 15: Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture: Regional safety, health and environmental regulations specific for the product in question:	Contact supplier. Contact supplier. 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, chronic health hazard.
14.7b Section 15.1 15.1a 15.1b 15.1c	Other information: Classification for other modes of transport: 15: Regulatory information 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):	Contact supplier. 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, 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) are listed.
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14.7b Section 15.1 15.1a 15.1b 15.1c 15.1d 15.1d 15.1e 15.1f 15.1g	Other information: Classification for other modes of transport: 15: Regulatory information 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 New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}:	Contact supplier. 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, 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. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed.
14.7b Section 15.1 15.1a 15.1b 15.1c 15.1d 15.1d 15.1e 15.1f 15.1g	Other information: Classification for other modes of transport: 15: Regulatory information 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 New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization:	Contact supplier. 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, 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. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed.
14.7b Section 15.1 15.1a 15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h	Other information: Classification for other modes of transport: 15: Regulatory information 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 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:	Contact supplier. Contact supp
14.7b Section 15.1 15.1a 15.1b 15.1c 15.1d 15.1f 15.1h 15.1i 15.1j	Other information: Classification for other modes of transport: 15: Regulatory information 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 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:	Contact supplier. Contact supplier. 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, 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. Sodium azide (CAS # 26628-22-8) and Sodium metabisulfite (CAS# 7681-57-4 as disulfurous acid, disodium salt) are listed. Not listed. Not listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.
14.7a 14.7b Section 15.1 15.1a 15.1b 15.1c 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1j 15.1j 15.1k 15.1l	Other information: Classification for other modes of transport: 15: Regulatory information 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 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:	Contact supplier. 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, 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. 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

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	<u>IgM-</u>	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	Chemic	al safety assessment:	Not required.
15.2a	Other re	egulatory information:	None.
	1	<u> </u>	
Section	n 16: Othe	r information	
16.1	Other in	nformation:	
16.1a	Date of	revision:	09-Jun-17
16.1b	SDS nu	mber and revision:	F17-519-2-C
16.1c	Superse	edes SDS number and revision:	F17-519-2-B
16.1d	Change	s made to the previous version of the SDS:	Updated to comply with EC 1272/2008 CLP regulations, EC 830/2015.
16.1d 16.1e	Change Key/leg SDS:	s made to the previous version of the SDS: end to abbreviations and acronyms used in the	
16.1f	Full text	of hazard statements and/or precautionary	All statements were written out in full.
		nts not written out in full elsewhere:	
DISCL	AIMER:	combination with any other materials or in a knowledge and belief, accurate and reliable	e material designated and may not be valid for such material used in any process. Such information is, to the best of the company's as of the date indicated. However, no warranty guarantee or ability, or completeness. It is the user's responsibility to satisfy himself his own particular use.
		F	END OF SDS

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ImunoChemistry TECHNOLOGIESLLC

1.1	on 1: Identification of the su Product identifier:		Neptune Assa	
1.1a	Other means of identification	<u></u>	Neplune ASSa	
			•	
.1b		ct name(s)/ synonyms:	AD3	
.1c	Product number/		522, 626, 627, 628	, 673
.1d	Internal identifica		AD3	
1.2	Relevant identified uses of mixture and uses advised			or research use or for further manufacturing into in agents only. Not intended for use in human or ses.
.2a	Brief description of what the intended to do:		A buffered solution	designed to equalize matrix differences in ELISAs
.3	Details of the supplier of	the SDS:	•	
.3a	Name:			Technologies, LLC (ICT)
.3b	Address:			ue South, Suite 155
.3c	City, State, Zip, C	Country	Bloomington, MN 5	
.3d	Phone number:		1-800-829-3194 an	nd 952-888-8788
.3e	Fax number:		952-888-8988	
.3f	Website:		www.immunochem	listry.com
I.3g	Email:		help@immunocher	
.3ĥ	Contact person a	it ICT:	Quality Documenta	ation Department
1.4	Emergency telephone nu	mber:		94 (USA & Canada) or 952-888-8788 world wide;
			(excluding holidays	n-5 pm central time USA, Monday through Friday s). Chemtrec 24-hour access within USA and 4-9300 or +1 703-527-3887. Collect calls accepted
	n 2: Hazards identification			
2.1	Classification of the subs	tance or mixture:	•	
2.1a	Product is a:		Mixture.	
2.1b	Classification according to {CLP}:			criteria for classification.
2.1c	The most important adverse health, and environmental e		Refer to Sections 9)-12.
2.2	Label elements:		•	
2.2a	GHS label elements, includ statements:	ing precautionary	•	
2.2b	Contains:		Not applicable.	
2.2c	Labeling in accordance with		None.	
2.2d	Hazard Pictograms (Hazard	d 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 inform	mation available.
2.3a 2.3b	Does the chemical meet the Other hazards which do no		Not applicable. None.	
	on 3: Composition/informati			
8.1	Substance:		Item is a mixture therefore Section 3.1 is not applicable; see Section 3.2.	
3.2	Mixture:	oppontration or	Item is a mixture.	
	The chemical identity and c concentration ranges of all hazardous and are present 3.2a Chemical identity: 3.2b Common name, synor	ingredients which are above their cut-off levels:	Ethylenediamineter	traacetic acid sodium salt dihydrate
	3.2c CAS number and	Iyiniə, Elü	<u>3.2e %</u>	3.2f Classification according to (EC) No.
	other unique identifiers:	3.2d EC number:	Concentration:	<u>1272/2008 {CLP}:</u>
	6381-92-6	205-358-3	1.86 %	Eye Irrit. 2, H319 Causes serious eye irritation.
.2u	Other information on the m	ixture:	None.	

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4.1	Description of first aid measures:	If concerned, get medical attention/advice and provide physician with SDS 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;
4.10	Skill colliaci.	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
		attention if any discomfort continues.
4.2	Most important symptoms and effects, both acute	
	and delayed:	
4.2a	Inhalation:	None known.
4.2b	Skin contact:	None known.
4.2c	Eye contact:	None known.
4.20 4.2d	Ingestion:	None known.
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. Refer to Sections 5-8 for advice on personal
		protective equipment.
Sectio	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	This product is not flammable. Product is not explosive. No dangerous
0.2	mixture:	reactions known under normal conditions of use.
5.2a	Hazardous combustion products:	None under normal conditions.
	Unusual fire & explosion hazards:	
5.2b		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:	
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).
Sectio	on 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
0.1a	General release measures.	laboratory hygiene and safety practices for small spills. Wear suitable
		protective clothing, gloves and eye or face protection. Consult
<u> </u>		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). Ensure adequate ventilation
		of emergency (also refer to Section 8). Ensure adequate ventilation
		of emergency (also refer to Section 8). Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate
		of emergency (also refer to Section 8). Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and
		of emergency (also refer to Section 8). 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
6.4.		of emergency (also refer to Section 8). 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	of emergency (also refer to Section 8). 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	of emergency (also refer to Section 8). 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
	Advice for emergency responders; personal precautions, protective equipment and emergency procedures:	of emergency (also refer to Section 8). 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 emergency (also refer to Section 8).
6.1c	Advice for emergency responders; personal precautions, protective equipment and emergency procedures: Environmental precautions:	 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 emergency (also refer to Section 8). Do not allow to enter drains, sewers, or watercourses.
	Advice for emergency responders; personal precautions, protective equipment and emergency procedures:	of emergency (also refer to Section 8). 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 emergency (also refer to Section 8). Do not allow to enter drains, sewers, or watercourses. Contain any spills with dikes or absorbent materials to prevent
6.2	Advice for emergency responders; personal precautions, protective equipment and emergency procedures: Environmental precautions:	of emergency (also refer to Section 8). 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 emergency (also refer to Section 8). Do not allow to enter drains, sewers, or watercourses.

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	Neptone Assay Dident ODO, Doc#117-522-2-D, E	Effective: 12/11/2019; Supersedes: F17-522-2-C; Page 3 of 6Section 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.
-		
	on 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
74-	Descent has all an of income of his substances of	contaminated areas with water and soap before leaving the work site.
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:	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 in vitro diagnostics reagents only. Not intended for use in human or therapeutics purposes.
0		
Sectio 8.1	on 8: Exposure controls/personal protection 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.	
8.1b 8.1c	Appropriate engineering controls: Individual protection measures, such as personal	Wear gloves, protective goggles, and lab coat.
8.1d	protective equipment: 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 8.2d	Ventilation controls: Reference to other sections:	Provide adequate ventilation. Refer to Section 5 for additional information.
8.20 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	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
8.2i	Other protection:	(US) or CEN (EU). 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
0.01	Thormal hozarda:	promptly with soap and water if skin becomes contaminated.
8.2k 8.2l	Thermal hazards: Environmental exposure controls:	None known under normal conditions of use. Not determined.
<u>Sectio</u> 9.1	n 9: Physical and chemical properties Information on basic physical and chemical	
5.1	properties:	
9.1a	Appearance (physical state, color, etc.): Odor:	Liquid; light (or pale) yellow. No specific data.
9.1b		

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9.1fInitial bo9.1gFlash po9.1hEvapora9.1iFlamma9.1jUpper/lo9.1kVapor p	eshold.	
9.1eMelting9.1fInitial bo9.1gFlash po9.1hEvapora9.1iFlamma9.1jUpper/lo9.1kVapor p	6311010.	Not determined.
9.1fInitial bo9.1gFlash po9.1hEvapora9.1iFlamma9.1jUpper/lo9.1kVapor p		7.2-7.6
9.1g Flash po 9.1h Evapora 9.1i Flamma 9.1j Upper/ld 9.1k Vapor p	point/freezing point (°C):	Not determined.
9.1hEvapora9.1iFlamma9.1jUpper/ld9.1kVapor p	iling point and boiling range:	<100°C @ 760 mm Hg.
9.1hEvapora9.1iFlamma9.1jUpper/ld9.1kVapor p	pint (°C):	Not determined.
9.1iFlamma9.1jUpper/lo9.1kVapor p	ition rate:	Not determined.
9.1j Upper/ld 9.1k Vapor p	bility (solid, gas):	Not determined.
9.1k Vapor p	ower flammability or explosive limits:	Not determined.
		Not determined.
9.11 Vapor d	ensity (Air =1):	
		Not determined.
	density:	Not determined.
9.1n Solubilit		Soluble in water.
	coefficient (N-octanol/water):	Not determined.
	ition temperature (°C):	Not determined.
	osition temperature (°C):	Not determined.
9.1r Viscosit		Not determined.
9.1s Explosiv	e properties:	Not determined.
	g properties:	Not determined.
	formation:	None.
	hysical or chemical parameters:	None.
oliza oliioi pi		
Section 10. Stat	ility and reactivity	
10.1 Reactiv		No data available.
	al stability:	Stable under normal temperature conditions.
	lity of hazardous reactions:	Hazardous polymerization: will not polymerize.
10.4 Conditi	ons to avoid:	To avoid product degradation, avoid exposure to high temperatures or
		direct sunlight or light.
	atible materials:	Strong acids. Hydrocarbons – halogenated. Metals.
10.6 Hazard	ous decomposition products:	Fire creates: vapors/gases/fumes of: carbon monoxide (CO), carbon
		dioxide (CO ₂), and nitrous gases (NO _x).
Section 11: Toxi	cological information	
11.1 Informa	tion on toxicological effects:	
11.1a Name:		EDTA
11.1b Acute to	vicity.	Not determined.
	rosion/irritation:	Not determined.
	eye damage/irritation:	May cause serious eye irritation.
	tory or skin sensitization:	
	ell mutagenicity:	Not determined.
		Not determined.
	genicity:	Not determined.
	uctive toxicity:	Not determined.
	ingle exposure:	Not determined.
11.1j STOT-re	epeated exposure:	Not determined.
11.1k Aspirati	on hazard:	Not determined.
	ion on the likely routes of exposure	
	on, ingestion, skin and eye contact):	
		No known effects noted.
(inhalati		No known effects noted.
(inhalati 11.1m Ingestio		
(inhalati 11.1m Ingestio 11.1n Inhalatio		
(inhalati 11.1m Ingestio 11.1n Inhalatio 11.1o Skin con		No known effects noted.
(inhalati 11.1m Ingestio 11.1n Inhalatio 11.1o Skin co 11.1p Eye cor	tact:	No known effects noted. May cause serious eye irritation.
(inhalati 11.1m Ingestio 11.1n Inhalatio 11.1o Skin co 11.1p Eye cor 11.1q Sympto	tact: ms related to the physical, chemical and	No known effects noted.
(inhalati 11.1m Ingestio 11.1n Inhalatio 11.1o Skin cor 11.1p Eye cor 11.1q Sympto toxicolo	tact: ms related to the physical, chemical and gical characteristics:	No known effects noted. May cause serious eye irritation. No specific symptoms noted.
(inhalati 11.1m Ingestio 11.1n Inhalatio 11.1o Skin cor 11.1p Eye cor 11.1q Sympto toxicolo 11.1r Delayed	tact: ms related to the physical, chemical and gical characteristics: and immediate effects as well as chronic	No known effects noted. May cause serious eye irritation.
(inhalati 11.1m Ingestio 11.1n Inhalatio 11.1o Skin con 11.1p Eye cor 11.1q Sympto toxicolo 11.1r Delayed effects f	tact: ms related to the physical, chemical and gical characteristics: and immediate effects as well as chronic rom short and long term exposure:	No known effects noted. May cause serious eye irritation. No specific symptoms noted. Not determined.
(inhalati 11.1m Ingestio 11.1n Inhalati 11.1o Skin con 11.1p Eye cor 11.1q Sympto toxicolo 11.1r Delayed effects f 11.1s Numeric	tact: ms related to the physical, chemical and gical characteristics: and immediate effects as well as chronic rom short and long term exposure: cal measures of toxicity (such as acute	No known effects noted. May cause serious eye irritation. No specific symptoms noted.
(inhalati 11.1m Ingestio 11.1n Inhalati 11.1o Skin con 11.1p Eye cor 11.1q Sympto toxicolo 11.1r Delayed effects f 11.1s Numeric toxicity of	tact: ms related to the physical, chemical and gical characteristics: and immediate effects as well as chronic rom short and long term exposure: cal measures of toxicity (such as acute estimates):	No known effects noted. May cause serious eye irritation. No specific symptoms noted. Not determined. Not determined.
(inhalati 11.1m Ingestio 11.1n Inhalati 11.1o Skin con 11.1p Eye cor 11.1q Sympto toxicolo 11.1r Delayed effects f 11.1s Numerid toxicity of 11.1t Interacti	tact: ms related to the physical, chemical and gical characteristics: and immediate effects as well as chronic rom short and long term exposure: cal measures of toxicity (such as acute estimates): ve effects:	No known effects noted. May cause serious eye irritation. No specific symptoms noted. Not determined.
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(inhalati 11.1m Ingestio 11.1n Inhalatic 11.1o Skin cou 11.1p Eye cor 11.1q Sympto toxicolo 11.1r Delayeo effects f 11.1s Numeric toxicity o 11.1t Interacti 11.1u Absence 11.1v Mixtures 11.1w Mixture 11.1x Classific	tact: ms related to the physical, chemical and gical characteristics: and immediate effects as well as chronic rom short and long term exposure: cal measures of toxicity (such as acute estimates): ve effects: e of specific data: s: vs. substance information: cation by National Toxicity Program (NTP):	No known effects noted. May cause serious eye irritation. No specific symptoms noted. Not determined. Not determined. Not determined. Item is a mixture. See Section 3 for any substances in the mixture. Not classified.
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(inhalati 11.1m Ingestio 11.1n Inhalatic 11.10 Skin cou 11.1p Eye con 11.1q Sympto toxicolo 11.1r Delayed effects f 11.1s Numeric toxicity of 11.1t Interacti 11.1v Mixtures 11.1v Mixtures 11.1v Mixtures 11.1x Classific on Cance 11.1z Classific	tact: ms related to the physical, chemical and gical characteristics: and immediate effects as well as chronic rom short and long term exposure: cal measures of toxicity (such as acute estimates): ve effects: e of specific data: s: vs. substance information: cation by National Toxicity Program (NTP): cation by International Agency for Research cer (IARC): cation by OSHA 13:	No known effects noted. May cause serious eye irritation. 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.
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(inhalati 11.1m Ingestio 11.1n Inhalatic 11.10 Skin cou 11.1p Eye con 11.1p Eye con 11.1q Sympto toxicolo 11.1r Delayeo effects f 11.1s Numeric toxicity of 11.1t Interacti 11.1v Mixtures 11.1v Mixtures 11.1v Mixtures 11.1x Classific on Canc 11.1z Classific 11.1ab Other i	tact: ms related to the physical, chemical and gical characteristics: and immediate effects as well as chronic rom short and long term exposure: cal measures of toxicity (such as acute estimates): ve effects: e of specific data: s: vs. substance information: cation by National Toxicity Program (NTP): cation by International Agency for Research cer (IARC): cation by OSHA 13: nformation:	No known effects noted. May cause serious eye irritation. 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.
(inhalati 11.1m Ingestio 11.1n Inhalatic 11.10 Skin cou 11.1p Eye con 11.1p Eye con 11.1q Sympto toxicolo 11.1r Delayed effects f 11.1s Numeric toxicity of 11.1t Interacti 11.1v Mixtures 11.1v Mixtures 11.1v Mixtures 11.1x Classific on Canc 11.1z Classific 11.1ab Other i	tact: ms related to the physical, chemical and gical characteristics: and immediate effects as well as chronic rom short and long term exposure: cal measures of toxicity (such as acute estimates): ve effects: e of specific data: s: vs. substance information: cation by National Toxicity Program (NTP): cation by International Agency for Research cer (IARC): cation by OSHA 13: nformation: ogical information	No known effects noted. May cause serious eye irritation. 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.
(inhalati 11.1m Ingestio 11.1n Inhalatic 11.10 Skin cou 11.1p Eye con 11.1p Eye con 11.1q Sympto toxicolo 11.1r Delayeo effects f 11.1s Numeric toxicity of 11.1t Interacti 11.1v Mixtures 11.1v Mixtures 11.1v Mixtures 11.1x Classific on Canc 11.1z Classific 11.1ab Other i	tact: ms related to the physical, chemical and gical characteristics: and immediate effects as well as chronic rom short and long term exposure: cal measures of toxicity (such as acute estimates): ve effects: e of specific data: s: vs. substance information: cation by National Toxicity Program (NTP): cation by International Agency for Research cer (IARC): cation by OSHA 13: nformation: ogical information	No known effects noted. May cause serious eye irritation. 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. Not classified.
(inhalati 11.1m Ingestio 11.1n Inhalatic 11.10 Skin cou 11.1p Eye con 11.1p Eye con 11.1q Sympto toxicolo 11.1r Delayed effects f 11.1s Numeric toxicity of 11.1t Interacti 11.1v Mixtures 11.1v Mixtures 11.1v Mixtures 11.1x Classific on Canc 11.1z Classific 11.1ab Other i	tact: ms related to the physical, chemical and gical characteristics: and immediate effects as well as chronic rom short and long term exposure: cal measures of toxicity (such as acute estimates): ve effects: e of specific data: s: vs. substance information: cation by National Toxicity Program (NTP): cation by International Agency for Research cer (IARC): cation by OSHA 13: nformation: ogical information	No known effects noted. May cause serious eye irritation. 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.
(inhalati 11.1m Ingestio 11.1n Inhalatio 11.1n Skin con 11.1p Eye con 11.1q Sympto toxicolo 11.1r Delayed effects f 11.1s Numeric toxicity of 11.1t Interacti 11.1v Mixtures 11.1v Mixtures 11.1v Mixtures 11.1v Classific on Cano 11.1z Classific 0n Cano 11.1z Classific 11.1a Other i Section 12: Eco 12.1 Toxicity 12.1a Name:	tact: ms related to the physical, chemical and gical characteristics: and immediate effects as well as chronic rom short and long term exposure: cal measures of toxicity (such as acute estimates): ve effects: e of specific data: s: vs. substance information: cation by National Toxicity Program (NTP): cation by International Agency for Research cer (IARC): cation by OSHA 13: nformation: ogical information	No known effects noted. May cause serious eye irritation. 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. Not classified.

Neptune Assay Diluent SDS; Doc# F17-522-2-D; Effective: 12/11/2019; Supersedes: F17-522-2-C; Page 5 of 6

12.2	Neptune Assay Diluent SDS; Doc# F17-522-2-D; E	
	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:	
0	42. Diseased some identification	
	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.
Sectior	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.
т.5а	Model Regulations (IMDG Code, ADR, RID, and	110.
	ADN)?:	
11		No
14.5b	Is it a marine pollutant according to the IMDG	No.
44.0	code?:	Nama Imarum
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.
Sectior	15: Regulatory information	
15.1	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:	
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:	
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:	Mixture is not considered hazardous for Health Canada WHMIS 2015.
	16: Other information	
16.1	Other information:	
16.1a	Date of revision:	12/11/2019
16.1b	SDS number and revision:	F17-522-2-D
16.1c	Supersedes SDS number and revision:	F17-522-2-C
16.1d	Changes made to the previous version of the SDS:	Reviewed and updated hazard information; updated product use
10.10	Changes made to the previous version of the SDS.	
10 4 -	Kay/logand to abbreviations and any second state	statement; 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.

Neptune Assay Diluent SDS; Doc# F17-522-2-D; Ef	fective: 12/11/2019; Supersedes: F17-522-2-C; Page 6 of 6

	<u>N</u>	eptune Assay Diluent SDS; Doc# F17-522-2-D; Ef	fective: 12/11/2019; Supersedes: F17-522-2-C; Page 6 of 6
			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.
			WHMIS Workplace Hazardous Materials Information System.
16.1f		of hazard statements and/or precautionary	All statements were written out in full.
		ents not written out in full elsewhere:	
DISCLA	IMER:		ic material designated and may not be valid for such material used
			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
		himself as to the suitability of such inform	nation for his own particular use.
		El	ND OF SDS

Antigen-Down Assay Diluent SDS; Doc# F17-523-2-D; Effective: 05/14/2020; Supersedes: F17-523-2-C; Page 1 of 7

TECHNOLOGIES

1.1	n 1: Identification of the substance/mixture and of the	
	Product identifier:	Antigen-Down Assay Diluent
1.1a	Other means of identification:	
1.1b	Alternative product name(s)/ synonyms:	AD4
1.1c	Product number/Catalog #(s):	523, 629, 630, 631, 674
1.1d	Internal identification:	AD4
1.2	Relevant identified uses of the substance or	Product intended for research use or for further manufacturing into in
1.2	mixture and uses advised against:	<i>vitro</i> diagnostics reagents only. Not intended for use in human or
	mixture and dood daviood againet.	therapeutics purposes.
1.2a	Brief description of what the substance or mixture is	A buffered solution designed to equalize matrix differences in ELISAs.
1.2a	intended to do:	A buildled solution designed to equalize matrix differences in ELISAS.
1.3	Details of the supplier of the SDS:	
1.3a	Name:	ImmunoChemistry Technologies, LLC (ICT)
	Address:	9401 James Avenue South, Suite 155
1.3b		
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	Product is a:	Mixture.
2.1b	Classification according to (EC) No. 1272/2008	Skin Sens. 1, H317 May cause an allergic skin reaction.
	{CLP}:	Aquatic Chronic 3, H412 Harmful to aquatic life with long lasting
		effects.
2.1c	The most important adverse physiochemical, human	Refer to Sections 9-12.
	health, and environmental effects:	
2.2	Label elements:	
2.2a	GHS label elements, including precautionary	
	statements:	
2.2b	Contains:	≤0.0085% of reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one
		and 2-methyl-2H-isothiazol-3-one (3:1).
0.0-		
Z.ZC	Labeling in accordance with (EC) No. 1272/2008:	
	Labeling in accordance with (EC) No. 1272/2008: Hazard Pictograms (Hazard Symbols):	
		GHS07 Exclamation.
2.2d		GHS07 Exclamation. Warning.
2.2d 2.2e	Hazard Pictograms (Hazard Symbols):	Warning.
2.2d 2.2e	Hazard Pictograms (Hazard Symbols): Signal word:	Warning. H317 May cause an allergic skin reaction.
2.2d 2.2e 2.2f	Hazard Pictograms (Hazard Symbols): Signal word:	Warning.
2.2d 2.2e 2.2f	Hazard Pictograms (Hazard Symbols): Signal word: Hazard statements:	Warning. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
2.2d 2.2e 2.2f	Hazard Pictograms (Hazard Symbols): Signal word: Hazard statements:	Warning.H317 May cause an allergic skin reaction.H412 Harmful to aquatic life with long lasting effects.P261 Avoid breathing mist, vapors, or spray.P273 Avoid release to the environment.
2.2d 2.2e 2.2f	Hazard Pictograms (Hazard Symbols): Signal word: Hazard statements:	Warning.H317 May cause an allergic skin reaction.H412 Harmful to aquatic life with long lasting effects.P261 Avoid breathing mist, vapors, or spray.P273 Avoid release to the environment.P280 Wear protective gloves, protective clothing, eye protection, and
2.2d 2.2e 2.2f	Hazard Pictograms (Hazard Symbols): Signal word: Hazard statements:	Warning.H317 May cause an allergic skin reaction.H412 Harmful to aquatic life with long lasting effects.P261 Avoid breathing mist, vapors, or spray.P273 Avoid release to the environment.P280 Wear protective gloves, protective clothing, eye protection, and face protection.
2.2d 2.2e 2.2f	Hazard Pictograms (Hazard Symbols): Signal word: Hazard statements:	 Warning. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects. 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.
2.2d 2.2e 2.2f	Hazard Pictograms (Hazard Symbols): Signal word: Hazard statements:	 Warning. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects. 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.
2.2d 2.2e 2.2f	Hazard Pictograms (Hazard Symbols): Signal word: Hazard statements:	 Warning. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects. 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,
2.2d 2.2e 2.2f 2.2g	Hazard Pictograms (Hazard Symbols): Signal word: Hazard statements: Precautionary statements:	 Warning. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects. 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.
2.2d 2.2e 2.2f 2.2g	Hazard Pictograms (Hazard Symbols): Signal word: Hazard statements:	 Warning. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects. 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. P272 Contaminated work clothing should not be allowed out of the
2.2c 2.2d 2.2e 2.2f 2.2g 2.2g	Hazard Pictograms (Hazard Symbols): Signal word: Hazard statements: Precautionary statements:	 Warning. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects. 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. P272 Contaminated work clothing should not be allowed out of the workplace.
2.2d 2.2e 2.2f 2.2g	Hazard Pictograms (Hazard Symbols): Signal word: Hazard statements: Precautionary statements:	 Warning. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects. 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. P272 Contaminated work clothing should not be allowed out of the

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Sectio	on 3: Composition/informat	ion on ingredients		
3.1	Substance:	<u> </u>		erefore Section 3.1 is not applicable; see Section
3.2	Mixture:		3.2. Item is a mixture.	
J.2	The chemical identity and c	concentration or	item is a mixture.	
	concentration ranges of all			
	hazardous and are present	above their cut-off levels:		
	3.2a Chemical identity:			5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl
			2H-isothiazol-3-one	
	3.2b Common name, synor	nyms, etc.:		n® is a registered trademark of Dow Chemical
	3.2c CAS number and		Company) 3.2e %	3.2f Classification according to (EC) No.
	other unique identifiers:	3.2d EC number:	<u>Concentration:</u>	<u>1272/2008 {CLP}:</u>
	CAS: 55965-84-9; Annex	220-239-6	<u>≤0.0085%</u>	Acute Tox. 3, H301
	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)
3.2g	Other ingredient:			EUH071
5.zy	3.2h Chemical identity:		Ethylenediaminetet	traacetic acid sodium salt dihydrate
	3.2i Common name, synon	vms. etc.:	EDTA	
	3.2j CAS number and	<i>j</i> , etc	3.21 %	3.2m Classification according to (EC) No.
	other unique identifiers:	3.2k EC number:	Concentration:	1272/2008 {CLP}:
	CAS: 6381-92-6	205-358-3	<5 %	Acute Tox. 4, H302
				Acute Tox. 4, H312
				Acute Tox. 4, H332
				Skin Irrit. 2, H315
				Eye Irrit. 2, H319
				Eye Irrit. 2, H319 STOT SE 3, H335
3.211	Other information on the m	ivturo:	None	Eye Irrit. 2, H319
3.2u	Other information on the m	ixture:	None.	Eye Irrit. 2, H319 STOT SE 3, H335
	Other information on the m	ixture:	None.	Eye Irrit. 2, H319 STOT SE 3, H335
				Eye Irrit. 2, H319 STOT SE 3, H335
Sectio	on 4: First aid measures		If concerned, get m information. Wash	Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 3, H412 nedical attention and provide physician with SDS contaminated clothing before reuse. Never give
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Antigen-Down Assay Diluent SDS; Doc# F17-523-2-D; Effective: 05/14/2020; Supersedes: F17-523-2-C; Page 3 of 7

5.10 Unsuitable extinguishing media: None known. 5.23 Special hazards arising from the substance or mixture: No dangerous reactions known under normal confidious of use. 5.24 Hazardous combustion products: In case of tire, toxic gases may be formed of carbon monoxide (CC carbon disordin (Lazards)). None under normal confidious of use. 5.25 Unsustal fire & explosion hazards: Is a case of the toxic agases may be formed of carbon monoxide (CC carbon disordin (Lazards)). None under normal confidious of use. 5.26 Unsustal fire & explosion hazards: Use vater spray or tog for cooling exposed containers. Exercise cast on environment. 5.38 Special protective equipment and precautions for firefighters: Use waters pray or tog for cooling exposed containers. Exercise cast on environment. 5.30 Special protective equipment and precautions for firefighters: No specific emergency measures are required other than good laboratory fugiene and safety practices for small splits. Wara studie protective colting, gloves, environ, discore for small splits. Wara studie protective colting, gloves and eyo or face protection. Consult professional emergency presonnel if concerned (ease Section 8). 6.1b Advice for non-emergency personal; personal precautions; protective equipment and emergency procedures: Protessional emergency provend any containingian. 6.1c Advice for emergency responders; personal precautions; protective equipment and emergency prorocedures: Protessional emerg	5.1a	Suitable extinguishing media:	This product is not flammable. Use fire-extinguishing media appropriate for the surrounding materials.	
5.2 Special hazards arising from the substance or mixture: This product is a liquid and in on flammable. Product is not consist and anagerous reactions known under normal conditions of use. 5.2.a Hazardous combustion products: In case of fire, toxic gases may be formed of cathon monoxide (CC cathon dioxide (CC) COx), and nitrous gases (NOx). None under normal conditions. 5.2.b Unusual fire & explosion hazards: No unusual fire or explosion hazards noted. 5.2.c Protective measures in fire. Use protective equipment appropriate for surrounding materials. 5.3.a Special intellighting procedures: Use water speay or fog for cooling exposed containers. Exercise action when fightings ary channes three adjunct. 5.3.b Special protective equipment and precautions for finefighters: Do not enter fire area without proper protective equipment, including protective suit (see Section 8). 5.4.ccidential release measures: In specific emergency measures are required other than good tabcratory hygiene and safety practices. Wear suitable protective coloring, gloves and eye or take protection. Consult protective coloring, gloves and eye or take protection. Consult procedures: 6.1.a Advice for emergency responders: personal precautions, protective equipment and emergency procedures: No specific emergency presonal errosmet in respirate and advice and safety practices. Wear suitable protective coloring, gloves and eye or mater or water sources. Use a licensed avid contact, use an approved supplied-ait respirat in case of emergency responders; personal pr	5.1b	Unsuitable extinguishing media:		
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Section 8: Exposure controls/personal protection	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	
Section 8: Exposure controls/personal protection				
8.1 Control parameters:		n 8: Exposure controls/personal protection		

8.1a	Antigen-Down Assay Diluent SDS; Doc# F17-523-2-I 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.	D; Effective: 05/14/2020; Supersedes: F17-523-2-C; Page 4 of 7 Not applicable.	
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	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.	
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	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:	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	
8.2k	Thermal hazards:	None known under normal conditions of use.	
8.21	Environmental exposure controls:	Not determined.	
Sectio 9.1	on 9: Physical and chemical properties Information on basic physical and chemical properties:	·	
9.1 9.1a	Information on basic physical and chemical	Liquid; clear to light yellow.	
9.1	Information on basic physical and chemical properties:	Liquid; clear to light yellow. No specific data.	
9.1 9.1a	Information on basic physical and chemical properties: Appearance (physical state, color, etc.):		
9.1a 9.1a 9.1b 9.1c	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH:	No specific data.	
9.1a 9.1a 9.1b 9.1c	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH:	No specific data. Not determined.	
9.1a 9.1b 9.1c 9.1d 9.1e	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold:	No specific data. Not determined. 7.2-7.6	
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C):	No specific data. Not determined. 7.2-7.6 Not determined.	
9.1a 9.1b 9.1c 9.1d 9.1d 9.1e 9.1f 9.1g	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C):	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1b 9.1c 9.1d 9.1d 9.1e 9.1f 9.1g 9.1h	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas):	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1b 9.1c 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1j	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1b 9.1c 9.1d 9.1d 9.1d 9.1f 9.1g 9.1h 9.1i 9.1j 9.1k	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1i 9.1j 9.1k 9.1l 9.1l 9.1n 9.1n	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor density (Air =1): Relative density: Solubility(ies):	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1i 9.1j 9.1k 9.1l 9.1n 9.1n 9.1n 9.1n	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water):	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1j 9.1k 9.1l 9.1k 9.1l 9.1n 9.1n 9.1n 9.1n 9.1n	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C):	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1b 9.1c 9.1d 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1i 9.1k 9.1l 9.1k 9.1l 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Decomposition temperature (°C):	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1b 9.1c 9.1d 9.1d 9.1f 9.1f 9.1g 9.1h 9.1i 9.1i 9.1k 9.1l 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1h 9.1i 9.1k 9.1l 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity: Explosive properties:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1 a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1i 9.1i 9.1k 9.1l 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity: Explosive properties: Oxidizing properties:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1b 9.1c 9.1d 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1i 9.1j 9.1k 9.1l	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity: Explosive properties:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1 a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1i 9.1i 9.1k 9.1i 9.1n 9.1n 9.1n 9.1o 9.1p 9.1q 9.1r 9.1s 9.1t 9.2 9.2a	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity: Explosive properties: Oxidizing properties: Oxidizing properties: Other information: Other physical or chemical parameters:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1i 9.1i 9.1i 9.1k 9.1l 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.12 9.12 9.12 9.12 9.12 9.12 9.12 9.12	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity: Explosive properties: Oxidizing properties: Oxidizing properties: Other information: Other physical or chemical parameters:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1i 9.1k 9.1l 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1g 9.2a Sectio 10.1	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity: Explosive properties: Oxidizing properties: Oxidizing properties: Other information: Other physical or chemical parameters:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	
9.1a 9.1a 9.1b 9.1c 9.1d 9.1e 9.1f 9.1g 9.1h 9.1i 9.1i 9.1k 9.1l 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1n 9.1g 9.2a Sectio	Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH: Melting point/freezing point (°C): Initial boiling point and boiling range: Flash point (°C): Evaporation rate: Flammability (solid, gas): Upper/lower flammability or explosive limits: Vapor pressure: Vapor density (Air =1): Relative density: Solubility(ies): Partition coefficient (N-octanol/water): Auto-ignition temperature (°C): Viscosity: Explosive properties: Oxidizing properties: Oxidizing properties: Other information: Other physical or chemical parameters:	No specific data. Not determined. 7.2-7.6 Not determined. <100°C @ 760 mm Hg.	

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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.
0	. 44. Toxicological information	
5ection 11.1	n 11: Toxicological information Information on toxicological effects:	
11.1a	Name:	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-
		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.
<u>11.1d</u> 11.1e	Serious eye damage/irritation: Respiratory or skin sensitization:	Not determined. 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.
<u>11.1k</u> 11.1l	Aspiration hazard: Information on the likely routes of exposure	Not determined.
11.11	(inhalation, ingestion, skin and eye contact):	
11.1m	Ingestion:	No known effects noted.
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
44.4		reactions among sensitive individuals.
11.1p	Eye contact:	No known effects noted.
11.1q	Symptoms related to the physical, chemical and toxicological characteristics:	May cause sensitization by skin contact.
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 toxicity estimates):	Not determined.
11.1t	Interactive effects:	Not determined.
<u>11.1u</u>	Absence of specific data:	Not applicable.
<u>11.1v</u> 11.1w	Mixtures: Mixture vs. substance information:	Item is a mixture. See Section 3 for any substances in the mixture.
11.1w	Classification by National Toxicity Program (NTP):	Not classified.
11.1x	Classification by International Agency for Research	Not classified.
,,,,,	on Cancer (IARC):	
11.1z	Classification by OSHA 13:	Not classified.
11.1ab	Other information:	None.
0		
	n 12: Ecological information	
12.1 12.1a	Toxicity: Name:	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-
12.10	Humo.	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	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 their safe handling and methods of disposal, including the disposal of any contaminated	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
	packaging:	(exposure controls and personal protection) of the SDS. Consult a licensed waste contractor for disposal.
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): Packing group:	Not applicable. Not applicable.
14.4		

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14.5a 14.5b	Environmental hazards:	
14.5b		
14.5b	Is it environmentally dangerous according to UN	No.
14.5b	Model Regulations (IMDG Code, ADR, RID, and	
14.5b	ADN)?:	
	Is it a marine pollutant according to the IMDG	No.
16	code?:	
	Special precautions for user:	None known.
	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.
	Classification for other modes of transport:	Contact supplier.
4.70		
Section 1	15: Regulatory information	
15.1	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):	SARA 302 Components: No chemicals in this material are subject to
5.15		
		the reporting requirements of SARA Title III, Section 302 EHS TPQ or
		Section 313.
		SARA 311/312 classification: SKIN SENSITIZATION - Category 1.
15.1c	USA Massachusetts Right to Know:	No Components are listed.
	USA Pennsylvania Right to Know:	No Components are listed.
15.1e	USA New Jersey Right to Know:	No Components are listed.
	USA California Prop. 65:	Does not require a Safe Harbor warning under California Prop 65.
		Dees not require a bale riabor warning under ballornia riop bo.
	EU Regulation 1907/2006 {REACH}:	•
15.1h	Annex XIV substances subject to authorization:	Not listed.
15.1i	Substances of very high concern:	Not listed.
	Approved code of practice:	Classification and labeling of substances and preparations dangerous
	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
••••	_ · · · g.o.a.ion · · · · · · · · · · · · · · · · · · ·	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.
5.2	Chemical safety assessment:	2000/21/EC, including amendments.
15.2	Chemical safety assessment:	2000/21/EC, including amendments. Not required.
15.2 15.2a	Chemical safety assessment: Other regulatory information:	2000/21/EC, including amendments.
1 5.2 15.2a	Chemical safety assessment: Other regulatory information:	2000/21/EC, including amendments. Not required.
15.2a	Chemical safety assessment: Other regulatory information: 16: Other information	2000/21/EC, including amendments. Not required.
15.2a Section 1	Other regulatory information: 16: Other information	2000/21/EC, including amendments. Not required.
15.2a Section 1 16.1	Other regulatory information: 16: Other information Other information:	2000/21/EC, including amendments. Not required. SDS complies with Health Canada WHMIS 2015 requirements.
15.2a Section 1 16.1 16.1a	Other regulatory information: 16: Other information Other information: Date of revision:	2000/21/EC, including amendments. Not required. SDS complies with Health Canada WHMIS 2015 requirements.
15.2a Section 1 16.1 16.1a 16.1b	Other regulatory information: 16: Other information Other information: Date of revision: SDS number and revision:	2000/21/EC, including amendments. Not required. SDS complies with Health Canada WHMIS 2015 requirements.
15.2a Section 1 16.1 16.1a 16.1b	Other regulatory information: 16: Other information Other information: Date of revision: SDS number and revision:	2000/21/EC, including amendments. Not required. SDS complies with Health Canada WHMIS 2015 requirements. 05/14/2020 F17-523-2 Version D
15.2a Section 1 16.1 16.1a 16.1b 16.1c	Other regulatory information: 16: Other information Other information: Date of revision: SDS number and revision: Supersedes SDS number and revision:	2000/21/EC, including amendments. Not required. SDS complies with Health Canada WHMIS 2015 requirements. 05/14/2020 F17-523-2 Version D F17-523-2 Version C
15.2a Section 1 16.1 16.1a 16.1b 16.1c	Other regulatory information: 16: Other information Other information: Date of revision: SDS number and revision:	2000/21/EC, including amendments. Not required. SDS complies with Health Canada WHMIS 2015 requirements. 05/14/2020 F17-523-2 Version D F17-523-2 Version C Reviewed and updated information related to ProClin 300; re-classified
15.2a Section 1 16.1 16.1a 16.1b 16.1c	Other regulatory information: 16: Other information Other information: Date of revision: SDS number and revision: Supersedes SDS number and revision:	2000/21/EC, including amendments. Not required. SDS complies with Health Canada WHMIS 2015 requirements. 05/14/2020 F17-523-2 Version D F17-523-2 Version C Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified
15.2a Section 1 16.1 16.1a 16.1b 16.1c	Other regulatory information: 16: Other information Other information: Date of revision: SDS number and revision: Supersedes SDS number and revision:	2000/21/EC, including amendments. Not required. SDS complies with Health Canada WHMIS 2015 requirements. 05/14/2020 F17-523-2 Version D F17-523-2 Version C Reviewed and updated information related to ProClin 300; re-classified
15.2a Section 1 16.1 16.1a 16.1b 16.1c	Other regulatory information: 16: Other information Other information: Date of revision: SDS number and revision: Supersedes SDS number and revision:	2000/21/EC, including amendments. Not required. SDS complies with Health Canada WHMIS 2015 requirements. 05/14/2020 F17-523-2 Version D F17-523-2 Version C Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates;
15.2a Section 1 16.1 16.1a 16.1b 16.1c 16.1d	Other regulatory information: 16: Other information Other information: Date of revision: SDS number and revision: Supersedes SDS number and revision: Changes made to the previous version of the SDS:	2000/21/EC, including amendments. Not required. SDS complies with Health Canada WHMIS 2015 requirements. 05/14/2020 F17-523-2 Version D F17-523-2 Version C Reviewed and updated information related to ProClin 300; re-classified EDTA according to GHS considering ECHA C&L Notified classifications; updated for Health Canada; miscellaneous updates; updated document control numbers.
15.2a Section 1 16.1 16.1a 16.1b 16.1c 16.1d 16.1e	Other regulatory information: 16: Other information Other information: Date of revision: SDS number and revision: Supersedes SDS number and revision: Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	2000/21/EC, including amendments. Not required. SDS complies with Health Canada WHMIS 2015 requirements.
15.2a Section 1 16.1 16.1a 16.1b 16.1c 16.1d 16.1e	Other regulatory information: 16: Other information Other information: Date of revision: SDS number and revision: Supersedes SDS number and revision: Changes made to the previous version of the SDS:	2000/21/EC, including amendments. Not required. SDS complies with Health Canada WHMIS 2015 requirements.
15.2a Section 1 16.1 16.1a 16.1b 16.1c 16.1d 16.1e	Other regulatory information: 16: Other information Other information: Date of revision: SDS number and revision: Supersedes SDS number and revision: Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in	2000/21/EC, including amendments. Not required. SDS complies with Health Canada WHMIS 2015 requirements.
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	Anti	gen-Down Assay Diluent SDS; Doc# F17-523-2-I	D; Effective: 05/14/2020; Supersedes: F17-523-2-C; Page 7 of 7			
			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 Specific Target Organ Toxicity - Repeated Exposure.			
			STOT-KE Specific Target Organ Toxicity - Repeated Exposure.			
			UN United Nations.			
			USA United States of America.			
			vPvB very Persistent very bioaccumulative.			
			WHMIS Workplace Hazardous Materials Information System.			
16.1f	Full tex	t of hazard statements and precautionary	H301 Toxic if swallowed			
	stateme	ents not written out in full elsewhere:	H310 Fatal in contact with skin.			
			H330 Fatal if inhaled.			
			H314 Causes severe skin burns and eye damage.			
			H318 Causes serious eye damage.			
			H317 May cause an allergic skin reaction.			
			H400 Very toxic to aquatic life.			
			H410 Very toxic to aquatic life with long lasting effects. EUH071: Corrosive To The Respiratory Tract.			
			H302 Harmful if swallowed,			
			H312 Harmful in contact with skin			
			H332 Harmful if inhaled.			
			H315 Causes skin irritation.			
			H319 Causes serious eye irritation.			
			H335 May cause respiratory irritation.			
			H412 Harmful to aquatic life with long lasting effects.			
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			or in any process. Such information is, to the best of the company's			
			ble 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 sat						
himself as to the suitability of such information for his own particular use.						
	END OF SDS					

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