HRP Conjugate Stabilizer, Mammalian, 1X SDS; Doc# F17-5170-2-E; Effective: 03/05/2020; Supersedes: F17-5170-2-D; Page 1 of 7

ImunoChemistry TECHNOLOGIESLLC

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

1.1	n 1: Identification of the substance/mixture and of the Product identifier:			
1.1a	Other means of identification:	HRP Conjugate Stabilizer, Mammalian, 1X		
1.1b	Alternative product name(s)/ synonyms:	CS9; HRP Conjugate Stabilizer; HRP Stabilizer		
1.1c	Product number/Catalog #(s):	5170, 6350, 6706, 6351, 6352		
1.1d	Internal identification:	CS9; HRP Conjugate Stabilizer; HRP Stabilizer		
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 stabilize HRP conjugates, which are		
	intended to do:	often used in ELISAs.		
1.3	Details of the supplier of the SDS:			
1.3a	Name:	ImmunoChemistry Technologies, LLC (ICT)		
1.3b	Address:	9401 James Avenue South, Suite 155		
1.3c	City, State, Zip, Country	Bloomington, MN 55431-2500 USA		
1.3d	Phone number:	1-800-829-3194 and 952-888-8788		
1.3e	Fax number:	952-888-8988		
1.3f	Website:	www.immunochemistry.com		
1.3g	Email:	help@immunochemistry.com		
1.3h	Contact person at ICT:	Quality Documentation Department		
1.4	Emergency telephone number:	ICT: 1-800-829-3194 (USA & Canada) or 952-888-8788 world wide;		
		ICT hours are 9 am-5 pm central time USA, Monday through Friday		
		(excluding holidays). Chemtrec 24-hour access within USA and		
		Canada: 1-800-424-9300 or +1 703-527-3887. Collect calls accepted.		
Sectio	on 2: Hazards identification			
2.1	Classification of the substance or mixture:			
2.1a	Product is a:	Mixture.		
2.1b	Classification according to (EC) No. 1272/2008	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:			
	3 1 1 1 1 1 1 1 1			
2.2d	Hazard Pictograms (Hazard Symbols):			
		GHS07 Exclamation.		
2.00	Signal word:			
2.2e	Signal word: Hazard statements:	Warning.		
2.2f		H317 May cause an allergic skin reaction.		
2.2~	Bracoutioner (statements)	H412 Harmful to aquatic life with long lasting effects.		
2.2g	Precautionary statements:	P261 Avoid breathing mist, vapors, or spray.		
		P273 Avoid release to the environment.		
		P280 Wear protective gloves, protective clothing, eye protection, and		
		face protection.		
		P302+P352 If on skin: Wash with plenty of soap and water.		
		P333+P313 If skin irritation or rash occurs: Get medical attention.		
		P501 Dispose of contents and container in accordance with all local,		
		regional, national and international regulations.		
	Supplementary pressuition statements	P272 Contaminated work clothing should not be allowed out of the		
2.2h	Supplementary precaution statements:			
2.2h	Supplementary precaution statements.	workplace.		
2.2h 2.3	Other hazards:			

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2.3a	Does the chemical meet the		Not applicable.		
2.3b	Other hazards which do not result in classification:		None.		
Soctio	on 3: Composition/informatio	n on ingradiants			
3.1	Substance:	n on ingreaterits	Item is a mixture th	erefore Section 3.1 is not applicable; see Section	
0.1	oubstance.		3.2.		
3.2	Mixture:		Item is a mixture.		
	The chemical identity and co	ncentration or			
	concentration ranges of all in				
	hazardous and are present a				
	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, synony	ms, etc.:	ProClin300 (ProClir Company)	$n^{\ensuremath{\mathfrak{B}}}$ is a registered trademark of Dow Chemical	
	3.2c CAS number and other unique identifiers:	3.2d EC number:	<u>3.2e %</u> Concentration:	3.2f Classification according to (EC) No. 1272/2008 {CLP}:	
	CAS: 55965-84-9; Annex	0.24 20 Hambor.	<u>≤0.0085%</u>	Acute Tox. 3, H301	
	VI Index: 613-167-00-5	•	-0.000070	Acute Tox. 2, H310	
				Acute Tox. 2, H330	
				Skin Corr. 1C, H314	
				Eye Dam. 1, H318	
				Skin Sens. 1A, H317	
				Aquatic Acute 1, H400 (M=100)	
				Aquatic Chronic 1, H410 (M=100)	
				EUH071	
3.2u	Other information on the mix	ture:	None.		
•					
	on 4: First aid measures				
4.1	Description of first aid mea	isures:		edical attention and provide physician with SDS	
				contaminated clothing before reuse. Never give	
4.1a	Inhalation:			to an unconscious person. r and keep at rest in a comfortable position for	
4.1a				eathing, give artificial respiration. Rinse nose and	
				Set medical attention if any discomfort continues.	
4.1b	Skin contact:			nly with soap and water for several minutes;	
1.10	ekin contact.			r at least 15 minutes. Remove any contaminated	
				and wash thoroughly before reuse. Get medical	
			attention if any disc		
4.1c	Eye contact:			s with plenty of water while lifting the eyelids. Make	
	-		sure to remove any	contact lenses from the eyes before rinsing.	
				or at least 15 minutes. Get medical attention if any	
			discomfort continue		
4.1d	Ingestion:			UNCONSCIOUS PERSON VOMIT OR DRINK	
				uth thoroughly. Do not induce vomiting without	
				control center or medical professional. Get medica	
	Martine entry and the set of the set		attention if any disc		
4.2	Most important symptoms and effects, both acute and delayed:		effects.	and 11 for most important known symptoms and	
1.20				None known.	
4.2a	Inhalation: Skin contact:			lude irritation or redness.	
4.2b 4.2c	Eye contact:		None known.	ועעב וווונמווטוו טו ובטוופגא.	
4.20 4.2d	Ingestion:		None known.		
4.2u 4.3	Indication of any immediate	e medical attention and	No additional inform	nation available	
	special treatment needed:				
4.3a	Notes to physician/first respo	nder:	Treat symptomatica	ally. Refer to Sections 5-8 for advice on personal	
	, ,		protective equipme		
	·		··· ····		
Sectio	on 5: Firefighting measures				
5.1	Extinguishing media:			flammable. Use fire-extinguishing media	
			appropriate for the	surrounding materials.	
5.1a	Suitable extinguishing medi		Water spray, foam, dry powder, or carbon dioxide.		
5.1b	Unsuitable extinguishing me		None known.		
5.2	Special hazards arising fr	om the substance or		uid and is not flammable. Product is not explosive.	
	mixture:			tions known under normal conditions of use.	
5.2a	Hazardous combustion proc	lucts:		gases may be formed of carbon monoxide (CO),	
				2; COx), and nitrous gases (NOx). None under	
			normal conditions.		
5.2b	Unusual fire & explosion ha	zards:		explosion hazards noted.	
	Protective measures in fire:		L Leo protoctivo oqui	pment appropriate for surrounding materials.	
5.2c 5.3	Advice for firefighters:		Use protective equi	price appropriate for surrounding materials.	

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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).
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	n 6: Accidental release measures	the next of a second second state for summer discuss to isla
6.1	Personal precautions, protective equipment, and emergency procedures:	Use protective equipment appropriate for surrounding materials.
6.1a	General release measures:	No specific emergency measures are required other than good
0.14		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	Wear suitable protective clothing, gloves and eye or face protection to
	precautions, protective equipment and emergency	avoid contact; use an approved supplied-air respirator, in case of
	procedures:	emergency (also refer to Section 8).
6.2	Environmental precautions:	Do not allow to enter drains, sewers, or watercourses. May be harmful
~ ~	Matheda and materials for exitainment and	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 skin or inhalation of spillage or vapor.
6.4	Reference to other sections:	Refer to Sections 8 and 13 for additional information.
	n 7: Handling and storage	
7.1	Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Avoid creation of aerosols and mist. Avoid inhalation of vapors or mist. Prevent contact with skin and eyes. Use appropriate personal protection equipment (PPE). Thoroughly wash hands and contaminated areas with water and soap before leaving the work site. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.
7.1a	Prevent handling of incompatible substances or mixtures:	Avoid contact with strong acids and strong oxidizers.
7.1b	Advice on general occupational hygiene:	Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before
		entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices.
7.2	Conditions for safe storage, including any incompatibilities:	good laboratory hygiene and safety practices. Refer to product label. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses.
		good laboratory hygiene and safety practices. Refer to product label. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses. Product intended for research use or for further manufacturing into <i>in</i> <i>vitro</i> diagnostics reagents only. Not intended for use in human or
	incompatibilities:	good laboratory hygiene and safety practices. Refer to product label. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses. Product intended for research use or for further manufacturing into <i>in</i>
7.3 Sectio	incompatibilities: Specific end use(s): on 8: Exposure controls/personal protection	good laboratory hygiene and safety practices. Refer to product label. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses. Product intended for research use or for further manufacturing into <i>in</i> <i>vitro</i> diagnostics reagents only. Not intended for use in human or
7.3 <u>Sectio</u> 8.1	incompatibilities: Specific end use(s): on 8: Exposure controls/personal protection Control parameters:	good laboratory hygiene and safety practices. Refer to product label. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses. Product intended for research use or for further manufacturing into <i>in</i> <i>vitro</i> diagnostics reagents only. Not intended for use in human or therapeutics purposes.
7.2 7.3 Sectio 8.1 8.1a	incompatibilities: Specific end use(s): on 8: Exposure controls/personal protection	good laboratory hygiene and safety practices. Refer to product label. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses. Product intended for research use or for further manufacturing into <i>in</i> <i>vitro</i> diagnostics reagents only. Not intended for use in human or
7.3 <u>Sectio</u> 8.1	incompatibilities: Specific end use(s): m 8: Exposure controls/personal protection Control parameters: 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 =	good laboratory hygiene and safety practices. Refer to product label. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses. Product intended for research use or for further manufacturing into <i>in</i> <i>vitro</i> diagnostics reagents only. Not intended for use in human or therapeutics purposes.

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8.1d	Safety symbols:	
0.14		
8.2	Exposure controls:	
8.2 a	Process conditions:	Brovide avayable station
8.2b	Engineering controls:	Provide eyewash station. Ensure that eyewash stations and safety showers are proximal to the
0.20	Engineering controls.	workstation location.
8.2c	Ventilation controls:	Provide adequate ventilation.
8.2d	Reference to other sections:	Refer to Section 5 for additional information.
8.2e	Eye/face protection:	Wear approved chemical safety goggles where eye exposure is
0.20		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	on 9: Physical and chemical properties	
9.1	Information on basic physical and chemical	
	properties:	
9.1a	Appearance (physical state, color, etc.):	Liquid; clear to light yellow.
9.1b	Odor:	No specific data.
9.1c	Odor threshold:	Not determined.
9.1d	pH:	7.2-7.6
9.1e	Melting point/freezing point (°C):	Not determined.
9.1f	Initial boiling point and boiling range:	<100°C @ 760 mm Hg.
9.1g	Flash point (°C):	Not determined.
9.1h	Evaporation rate:	Not determined.
9.1i	Flammability (solid, gas):	Not determined.
9.1j	Upper/lower flammability or explosive limits:	Not determined.
9.1k	Vapor pressure:	Not determined.
9.11	Vapor density (Air =1):	Not determined.
9.1m	Relative density:	Not determined.
9.1n	Solubility(ies): Partition coefficient (N-octanol/water):	Soluble in water.
9.10 9.1p	Auto-ignition temperature (°C):	Not determined.
9.1p 9.1q	Decomposition temperature (°C):	Not determined.
9.1q 9.1r	Viscosity:	Not determined.
9.11 9.1s	Explosive properties:	Not determined.
9.15 9.1t	Oxidizing properties:	Not determined.
9.11 9.2	Other information:	None.
9.2a	Other physical or chemical parameters:	None.
J.=U		
Sectio	on 10: Stability and reactivity	
10.1	Reactivity:	No data available.
10.2	Chemical stability:	Stable under normal temperature conditions.
10.3	Possibility of hazardous reactions:	Hazardous polymerization: will not polymerize.
10.4	Conditions to avoid:	To avoid product degradation, avoid exposure to high temperatures or direct sunlight or light.
10.5	Incompatible materials:	Strong oxidizing substances. Strong reducing agents. Amines. Mercaptans (thiols).
10.6	Hazardous decomposition products:	None under normal conditions.
Sectio 11.1	n 11: Toxicological information Information on toxicological effects:	

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 11.1a
 Name:
 Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl

11.1a	Name:	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-	
11.1b	Aquita taxiaitu:	2H-isothiazol-3-one (3:1). Oral LD50 53 mg/kg rat. Dermal LD50: 2800 mg/kg rabbit.	
11.10 11.1c	Acute toxicity: Skin corrosion/irritation:	Severe Irritant – Skin test, Human, 0.01 Percent exposure.	
11.1c		Not determined.	
	Serious eye damage/irritation:	Not determined.	
11.1e 11.1f	Respiratory or skin sensitization: Germ cell mutagenicity:	Not determined.	
11.1g	Carcinogenicity:	Not determined.	
11.1g	Reproductive toxicity:	Not determined.	
11.1i	STOT-single exposure:	Not determined.	
11.1j	STOT-repeated exposure:	Not determined.	
11.1j	Aspiration hazard:	Not determined.	
11.11	Information on the likely routes of exposure		
	(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 toxicological characteristics:	May cause sensitization by skin contact.	
11.1r	Delayed and immediate effects as well as chronic effects from short and long term exposure:	May elicit severe allergic response even at low concentrations for 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.	
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 on Cancer (IARC):	Not classified.	
11.1z	Classification by OSHA 13:	Not classified.	
11.1ab	Other information:	None.	
Section	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.	
12.10	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		
125	Mobility in soil: Results of PBT and vPvB assessment:	Mobility in soil is unknown (the product is soluble in water).	
12.5 12.6	Results of PBT and vPvB assessment:	Mobility in soil is unknown (the product is soluble in water). Not determined.	
12.5 12.6		Mobility in soil is unknown (the product is soluble in water).	
12.6	Results of PBT and vPvB assessment:	Mobility in soil is unknown (the product is soluble in water). Not determined. None known.	
12.6	Results of PBT and vPvB assessment: Other adverse effects:	Mobility in soil is unknown (the product is soluble in water). Not determined. None known. When handling waste, consideration should be made to the safety	
12.6 Section	Results of PBT and vPvB assessment: Other adverse effects: n 13: Disposal considerations	Mobility in soil is unknown (the product is soluble in water). Not determined. None known.	
12.6 Section 13.1 13.1a	Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:	Mobility in soil is unknown (the product is soluble in water). Not determined. None known. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Dispose of waste and residues in accordance with local authority requirements. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (exposure controls and personal protection) of the SDS. Consult a	
12.6 Section 13.1 13.1a	Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated	Mobility in soil is unknown (the product is soluble in water). Not determined. None known. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Dispose of waste and residues in accordance with local authority requirements. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (exposure controls and personal protection) of the SDS. Consult a	
12.6 Section 13.1 13.1a Section	Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: 14: Transport information	Mobility in soil is unknown (the product is soluble in water). Not determined. None known. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Dispose of waste and residues in accordance with local authority requirements. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (exposure controls and personal protection) of the SDS. Consult a licensed waste contractor for disposal.	
12.6 Section 13.1 13.1a Section 14.1 14.2 14.3	Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: 14: Transport information UN number: UN proper shipping name: Transport hazard class(es):	Mobility in soil is unknown (the product is soluble in water). Not determined. None known. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Dispose of waste and residues in accordance with local authority requirements. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (exposure controls and personal protection) of the SDS. Consult a licensed waste contractor for disposal. Not applicable. Not applicable. Not applicable.	
12.6 Section 13.1 13.1a 13.1a Section 14.1 14.2 14.3 14.4	Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: 14: Transport information UN number: UN proper shipping name: Transport hazard class(es): Packing group:	Mobility in soil is unknown (the product is soluble in water). Not determined. None known. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Dispose of waste and residues in accordance with local authority requirements. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (exposure controls and personal protection) of the SDS. Consult a licensed waste contractor for disposal. Not applicable. Not applicable.	
12.6 Section 13.1 13.1a Section 14.1 14.2 14.3	Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: 14: Transport information UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	Mobility in soil is unknown (the product is soluble in water). Not determined. None known. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Dispose of waste and residues in accordance with local authority requirements. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (exposure controls and personal protection) of the SDS. Consult a licensed waste contractor for disposal. Not applicable. Not applicable. Not applicable.	
12.6 Section 13.1 13.1a 13.1a Section 14.1 14.2 14.3 14.4	Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: 14: Transport information UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and	Mobility in soil is unknown (the product is soluble in water). Not determined. None known. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Dispose of waste and residues in accordance with local authority requirements. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (exposure controls and personal protection) of the SDS. Consult a licensed waste contractor for disposal. Not applicable. Not applicable. Not applicable.	
12.6 Section 13.1 13.1a 13.1a 13.1a 14.1 14.2 14.3 14.4 14.5	Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: 14: Transport information UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN	Mobility in soil is unknown (the product is soluble in water). Not determined. None known. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Dispose of waste and residues in accordance with local authority requirements. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (exposure controls and personal protection) of the SDS. Consult a licensed waste contractor for disposal. Not applicable. Not applicable. Not applicable. Not applicable.	
12.6 Sectior 13.1a 13.1a Sectior 14.1 14.2 14.3 14.5 14.5a 14.5b 14.6	Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: 14: Transport information UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?: Special precautions for user:	Mobility in soil is unknown (the product is soluble in water). Not determined. None known. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Dispose of waste and residues in accordance with local authority requirements. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (exposure controls and personal protection) of the SDS. Consult a licensed waste contractor for disposal. Not applicable. No. No. No.	
Section 13.1 13.1a Section 14.1 14.2 14.3 14.4 14.5a 14.5b	Results of PBT and vPvB assessment: Other adverse effects: 13: Disposal considerations Waste treatment methods: Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: 14: Transport information UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?:	Mobility in soil is unknown (the product is soluble in water). Not determined. None known. When handling waste, consideration should be made to the safety precautions applying to handling of the product. Dispose of waste and residues in accordance with local authority requirements. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (exposure controls and personal protection) of the SDS. Consult a licensed waste contractor for disposal. Not applicable. No. No.	

HRP Conjugate Stabilizer, Mammalian, 1X SDS; Doc# F17-5170-2-E; Effective: 03/05/2020; Supersedes: F17-5170-2-D; Page 6 of 7

14.7a	Other information:	The product is not considered a dangerous good for transport.
14.7b	Classification for other modes of transport:	Contact supplier.

14.7b Classification for other modes of transport: Contact supplier. Section 15: Regulatory information irregulations/legislation specific for the substance or mixture: . 15.1a Regional safety, health and environmental regulations/legislation specific for the product in question: . 15.1a Regional safety, health and environmental regulations specific for the product in question: . 15.1b USA SARA Components (such as 302/31/313): Not listed. 15.1c USA Massachusets Right to Know: Not listed. 15.1e USA Pennsylvania Right to Know: Not listed. 15.1e USA Pennsylvania Right to Know: Not listed. 15.1f USA Pannex XIV substances subject to authorization: Not listed. 15.1f Substances of very high concern: Not listed. 15.1f Approved code of practice: Classification and labeling of substances and preparations dangerd for supply. Safety data sheets for substances and preparations. 15.1f Guidance notes: Workplace exposure limits EH40. 15.1f Bulket Substances (EC) No. 1272/2080 on the classification, labelling and packaging or substances and mixtures (CLP Regulation), EC 830/2015. Regulat (EC) No 1488/94 as well as Council Directive 99/156/EC an concerning the Registration, Evaluation, Authorisation and Restriction
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): Not listed. 15.1c USA Massachusetts Right to Know: Not listed. 15.1d USA Pennsylvania Right to Know: Not listed. 15.1d USA New Jersey Right to Know: Not listed. 15.1f USA New Jersey Right to Know: Not listed. 15.1f USA California Prop. 65 Components: Not listed. 15.1f USA stances of very high concern: Not listed. 15.1i Substances subject to authorization: Not listed. 15.1i Substances of very high concern: Not listed. 15.1i Substances and preparations. Workplace exposure limits EH40. 15.1i EU legislation references: (EC) No. 1272/2008 on the classification, labelling and packaging or substances and mixtures (CLP Regulation). EC 830/2015. Regulat (EC) No 1707/2006 of the European Paritament and of the Council 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing : European Chemicals Agency, amending Directive 1999/45/EC and repeating Council Regulation (EC) No 1793/93 and Commission Re
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15.1a Regional safety, health and environmental regulations specific for the product in question: . 15.1b USA SARA Components (such as 302/311/313): Not listed. 15.1c USA New Jersey Right to Know: Not listed. 15.1d USA New Jersey Right to Know: Not listed. 15.1d USA California Prop. 65 Components: Not listed. 15.1f Annex XIV substances subject to authorization: Not listed. 15.1f Annex XIV substances subject to authorization: Not listed. 15.1f Austances of very high concern: Not listed. 15.1f Austances of very high concern: Not listed. 15.1f 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 18 December 2006 concerning the Registration, Valuation, Authorisation and Restriction of Chemicals (REACH), establishing European Chemicals Agency, amending Directiv
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15.1b USA SARA Components (such as 302/311/313): Not listed. 15.1c USA Pennsylvania Right to Know: Not listed. 15.1d USA New Jersey Right to Know: Not listed. 15.1e USA New Jersey Right to Know: Not listed. 15.1e USA California Prop. 65 Components: Not listed. 15.1f USA California Prop. 65 Components: Not listed. 15.1f USA California Prop. 65 Components: Not listed. 15.1f 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 dangere for supply. Safety data sheets for substances and preparations. 15.1k Guidance notes: Workplace exposure limits EH40. 15.11 EU legislation references: (EC) No. 1907/2006 of the European Parliament and of the Council 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing : European Chemicals Agency, amending Directive 76/769/EI and Commission Directives 91/155/EEC, 93/67/EC and 2000/21/EC, including amendments. 15.2 Chemical safety assessment: Not required. 15.2.4 Other regulatory information: SD
15.1c USA Massachusetts Right to Know: Not listed. 15.1d USA Pennsylvania Right to Know: Not listed. 15.1e USA New Jersey Right to Know: Not listed. 15.1f USA California Prop. 65 Components: Not listed. 15.1n Annex XIV substances subject to authorization: Not listed. 15.1i Substances of very high concern: Not listed. 15.1i Guidance notes: Workplace exposure limits EH40. 15.1k Guidance notes: (EC) No. 1272/2006 of the European Parliament and of the Council 18 December 2006 concerning the Regulation, EC 830/2015. Regulat (EC) No 1907/2006 of the European Parliament and of the Council 18 December 2006 concerning the Registration, Evaluation, authorisation and Restriction of Chemicals (REACH), establishing European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation (EC) No 193/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EI and Commission Directive s91/155/EEC, 93/105/EC ar 2000/21/EC, including amendments. 15.2a Chemical safety assessment: Not required. 15.2a Other information:
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15.1f USA California Prop. 65 Components: Not listed. 15.1g EU Regulation 1907/2006 (REACH): Not listed. 15.1h Annex XIV substances subject to authorization: Not listed. 15.1i Substances of very high concern: Not listed. 15.1i Substances of very high concern: Not listed. 15.1i Approved code of practice: Classification and labeling of substances and preparations dangerd 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. Regulati (EC) No 1907/2006 of the European Parliament and of the Council 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing in European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No 1488/94 as well as Council Directive 76/769/EI and Commission Directives 91/155/EEC, 93/105/EC ar 2000/21/EC, including amendments. 15.2 Chemical safety assessment: Not required. 15.2a Other regulatory information: SDS complies with Health Canada WHMIS 2015 requirements. Section 16: Other information: 03/05/2020 103/05/2020 16.1a Date of revision:
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15.1j Approved code of practice: Classification and labeling of substances and preparations dangerd for supply. Safety data sheets for substances and preparations. 15.1k Guidance notes: Workplace exposure limits EH40. 15.1l EU legislation references: (EC) No. 1272/2008 on the classification, labeling and packaging of substances and mixtures (CLP Regulation). EC 830/2015. Regulation, autorisation and Restriction of Chemicals (REACH), establishing i 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/EI and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and repealing Council Regulation (EEC) No 793/93 and Commission 15.2 Chemical safety assessment: Not required. 15.2a Other regulatory information: SDS complies with Health Canada WHMIS 2015 requirements. 16.1 Other information: 03/05/2020 16.1.1 SDS number and revision: F17-5170-2 Version E 16.1.2 Supersedes SDS number and revision: F17-5170-2 Version D 16.1.4 Changes made to the previous version of the SDS: Updated for Health Canada; updated document control numbers.
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16.1e Key/legend to abbreviations and acronyms used in the SDS: ACGIH American Conference of Governmental Industrial Hygienist ADN European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway.
ADR The European Agreement concerning the International Carria 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.
EC European Commission. EC50 Half maximal effective concentration.
EH40 Resource containing the list of workplace exposure limits for
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
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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.
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HRP Conjugate Stabilizer, Mammalian, 1X SDS; Doc# F17-5170-2-E; Effective: 03/05/2020; Supersedes: F17-5170-2-D; Page 7 of 7

			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		t of hazard statements and precautionary	All statements are written out in full.	
	statements not written out in full elsewhere:			
DISCL	AIMER:		fic material designated and may not be valid for such material used	
			or in any process. Such information is, to the best of the company's	
		knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or		
			eliability, or completeness. It is the user's responsibility to satisfy	
		himself as to the suitability of such inform	nation for his own particular use.	
		-		
	END OF SDS			