

SAFETY DATA SHEET (SDS)

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

1.1	on 1: Identification of the substance/mixture and of the Product identifier:	
		Phosphate Buffered Saline, 10X
1.1a	Other means of identification:	
1.1b	Alternative product name(s)/ synonyms:	10X PBS, 10X PB1, PB1, PBS
1.1c	Product number/Catalog #(s):	529, 6157, 6158, 6159, 6160, 6252
1.1d	Internal identification:	10X PB1, PB1, PBS
1.2	Relevant identified uses of the substance or	For research use only. Not for use in diagnostic procedures.
1.2a	mixture and uses advised against: Brief description of what the substance or mixture is	A buffered diluent for use in research laboratory techniques.
ı.za	intended to do:	A bulleted dilident for use in research laboratory techniques.
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.
Cast! -	on 2. Hazarda idantification	
<u>Sectio</u> 2.1	on 2: Hazards identification Classification of the substance or mixture:	
2.1 2.1a	Product is a:	Mixture.
2.1a 2.1b	Classification according to (EC) No. 1272/2008	Does not meet the criteria for classification.
2.10	{CLP}:	Does not meet the chiena for classification.
2.1c	The most important adverse physiochemical, human	Prolonged skin contact may cause redness and irritation. Refer to
2.10	health, and environmental effects:	Sections 4, 9-12.
2.2	Label elements:	None.
2.2a	GHS label elements, including precautionary	
	statements:	
2.2b	Contains:	
2.2c	Labeling in accordance with (EC) No. 1272/2008:	
2.2d	Hazard Pictograms (Hazard Symbols):	None.
2.2e	Signal word:	None.
2.2f	Hazard statements:	None.
2.2g	Precautionary statements:	None.
2.2h	Supplementary precaution statements:	None.
2.3	Other hazards:	No additional information available.
2.3a	Does the chemical meet the criteria for PBT or vPvB?	Not applicable.
2.3b	Other hazards which do not result in classification:	Contains sodium chloride and phosphates which are below the
		threshold for hazard classification, but may cause redness and
		irritation after prolonged exposure.
Section	on 3: Composition/information on ingredients	
3.1	Substance:	Item is a mixture therefore Section 3.1 is not applicable; see Section
		3.2.
3.2	Mixture:	Item is a mixture.
	The chemical identity and concentration or	
	concentration ranges of all ingredients which are	
	hazardous and are present above their cut-off levels:	
	3.2a Chemical identity:	No ingredients identified for reporting in this section.
•	4 E. 4 . 1	
Section	on 4: First aid measures	If any annual material attention (1.1)
4 4	Description of first aid measures:	If concerned, get medical attention/advice and provide physician with SDS information. Wash contaminated clothing before re-use. Never
4.1		Laua information, vyaso contaminated clotning before re-lise. Never
4.1		
4.1	Inholation	give anything to an unconscious person.
4.1 4.1a	Inhalation:	

Phosphate Buffered Saline, 10X SDS; Doc# F17-529-2-D; Effective: 05/26/2017; Supersedes: F17-529-2-C; Page 2 of 6 Wash skin thoroughly with soap and water for several minutes: 4.1b Skin contact: 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 Eve contact: Promptly wash eyes with plenty of water while lifting the eyelids. Make sure to remove any contact lenses from the eves before rinsing. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK 4.1d Ingestion: FLUIDS! Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if any discomfort continues. 4.2 Most important symptoms and effects, both acute Contains sodium azide, sodium chloride, and phosphates which are and delayed: below the threshold for hazard classification, but may cause redness and irritation after prolonged exposure. 4.2a Inhalation: May cause coughing or mild irritation. 4.2b Prolonged skin contact may cause redness and mild irritation. Skin contact: 4.2c May cause temporary eye irritation. Eye contact: 4.2d Ingestion: May cause discomfort if swallowed. No specific first aid measures noted, but first aid may still be required Indication of any immediate medical attention and 4.3 special treatment needed: in case of accidental exposure, inhalation, or ingestion of this product. If in doubt, get medical attention promptly! 4.3a Notes to physician/first responder: Treat symptomatically. Refer to Sections 5-8 for advice on personal protective equipment. Section 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. Special hazards arising from the substance or 5.2 This product is not flammable. Product is not explosive. No dangerous reactions known under normal conditions of use. mixture: 5.2a Hazardous combustion products: None under normal conditions. 5.2b Unusual fire & explosion hazards: No unusual fire or explosion hazards noted. 5.2c Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.3 Advice for firefighters: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. No specific firefighting procedure given. 5.3a Special firefighting procedures: 5.3b Special protective equipment and precautions for Wear full protective clothing, including self-contained breathing firefighters: apparatus, if necessary. The product presents no special fire hazards in normal use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Section 6: Accidental release measures 6.1 Personal precautions, protective equipment, and Use protective equipment appropriate for surrounding materials. emergency procedures: 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8). 6.1b Advice for non-emergency personnel; personal No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective precautions, protective equipment and emergency clothing/gloves/eye/face protection to avoid contact with skin, eyes, procedures: and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if 6.1c 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 emergency (also refer to Section 8). procedures: 6.2 **Environmental precautions:** Do not allow to enter drains, sewers, or watercourses. 6.3 Methods and materials for containment and Contain any spills with dikes or absorbent materials to prevent clean up: migration and entry into sewers or water sources. Place in a suitable container for disposal in accordance with local waste regulations (see Section 13). Wash spill area thoroughly with plenty of soap and water.

6.4

Reference to other sections:

Avoid contact with skin or inhalation of spillage, dust, or vapour.

Refer to Sections 8 and 13 for additional information.

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Section	on 7: Handling and storage	
7.1	n 7: Handling and storage Precautions for safe handling:	Do not handle until all safety precautions have been read and
7.1	Frecautions for sale nanding.	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
7.1a	Prevent handling of incompatible substances or	contaminated areas with water and soap before leaving the work site. Keep away from sources of ignition. Avoid contact with strong acids and strong oxidizers.
7.1b	mixtures: 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.
	on 8: Exposure controls/personal protection	
8.1	Control parameters:	No.
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.	Not in respirable form.
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.
	Mandilatian appropria	Provide adequate ventilation.
8.2c	Ventilation controls:	
8.2d	Reference to other sections:	Refer to Section 5 for additional information.
8.2d 8.2e	Reference to other sections: Eye/face protection:	Refer to Section 5 for additional information. Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing.
8.2d 8.2e 8.2f	Reference to other sections: Eye/face protection: Skin protection:	Refer to Section 5 for additional information. Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. Wear apron or protective clothing in case of contact.
8.2d 8.2e	Reference to other sections: Eye/face protection:	Refer to Section 5 for additional information. Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. Wear apron or protective clothing in case of contact. Use suitable protective gloves if risk of skin contact. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and
8.2d 8.2e 8.2f 8.2g	Reference to other sections: Eye/face protection: Skin protection: Hand protection:	Refer to Section 5 for additional information. Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. Wear apron or protective clothing in case of contact. Use suitable protective gloves if risk of skin contact. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH
8.2d 8.2e 8.2f 8.2g 8.2h	Reference to other sections: Eye/face protection: Skin protection: Hand protection: Respiratory equipment:	Refer to Section 5 for additional information. Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. Wear apron or protective clothing in case of contact. Use suitable protective gloves if risk of skin contact. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
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8.2d 8.2e 8.2f 8.2g 8.2h 8.2i 8.2i	Reference to other sections: Eye/face protection: Skin protection: Hand protection: Respiratory equipment: Other protection: Hygiene measures:	Refer to Section 5 for additional information. Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. Wear apron or protective clothing in case of contact. Use suitable protective gloves if risk of skin contact. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Wear appropriate clothing to avoid skin contact. DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated
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8.2d 8.2e 8.2f 8.2g 8.2h 8.2i 8.2i 8.2j 8.2s	Reference to other sections: Eye/face protection: Skin protection: Hand protection: Respiratory equipment: Other protection: Hygiene measures: Thermal hazards: Environmental exposure controls: on 9: Physical and chemical properties Information on basic physical and chemical	Refer to Section 5 for additional information. Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. Wear apron or protective clothing in case of contact. Use suitable protective gloves if risk of skin contact. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Wear appropriate clothing to avoid skin contact. DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated None known under normal conditions of use.
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8.2d 8.2e 8.2f 8.2g 8.2h 8.2i 8.2i 8.2j 8.2i 8.2j 9.1s 9.1c 9.1d	Reference to other sections: Eye/face protection: Skin protection: Hand protection: Respiratory equipment: Other protection: Hygiene measures: Thermal hazards: Environmental exposure controls: on 9: Physical and chemical properties Information on basic physical and chemical properties: Appearance (physical state, color, etc.): Odor: Odor threshold: pH:	Refer to Section 5 for additional information. Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. Wear apron or protective clothing in case of contact. Use suitable protective gloves if risk of skin contact. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Wear appropriate clothing to avoid skin contact. DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated None known under normal conditions of use. Not determined.
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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.
	40.0011116	
	10: Stability and reactivity	N. 1.
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
40.5	In a monatible materials:	direct sunlight or light.
10.5	Incompatible materials:	No data available.
10.6	Hazardous decomposition products:	None under normal conditions.
Cost!-	14. Taylaalagigal information	
	11: Toxicological information	
11.1	Information on toxicological effects:	. Di
11.1a	Name:	Phosphate Buffered Saline, 10X
11.1b	Acute toxicity:	Not determined.
11.1c	Skin corrosion/irritation:	Not determined.
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.
11.1h	Reproductive toxicity:	Not determined.
11.1i	STOT-single exposure:	Not determined.
11.1j	STOT-repeated exposure:	Not determined.
11.1k	Aspiration hazard:	Not determined.
11.11	Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	May enter by skin and/or eye contact; inhalation of vapors/mist/dust.
11.1m	Ingestion:	May cause discomfort if swallowed.
11.1n	Inhalation:	In high concentrations, vapors may irritate throat and respiratory
		system and cause coughing.
11.10	Skin contact:	Liquid may irritate skin and cause redness.
11.1p	Eye contact:	Spray and vapor in the eyes may cause irritation and smarting.
11.1q	Symptoms related to the physical, chemical and	No specific symptoms noted.
	toxicological characteristics:	
11.1r	Delayed and immediate effects as well as chronic	Not determined.
	effects from short and long term exposure:	
11.1s	Numerical measures of toxicity (such as acute	Not determined.
	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 on Cancer (IARC):	Not classified.
11.1z	Classification by OSHA 13:	Not classified.
11.12 11.1ab	Other information:	None.
11.140	Care information.	NONG.
Section	n 12: Ecological information	
12.1	Toxicity:	
12.1a	Name:	Phosphate Buffered Saline, 10X.
12.1b	Ecotoxicity (aquatic and terrestrial, where available):	No data available.
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:	The product is soluble in water.
12.5	Results of PBT and vPvB assessment:	Not determined.
		l

Phosphate Buffered Saline, 10X SDS; Doc# F17-529-2-D; Effective: 05/26/2017; Supersedes: F17-529-2-C; Page 5 of 6

12.6	Other adverse effects:	D; Effective: 05/26/2017; Supersedes: F17-529-2-C; Page 5 of 6
12.0	Oniei duverse enecis.	Not determined.
Section	n 13: Disposal considerations	
13.1	Waste treatment methods:	When handling waste, consideration should be made to the safety
13.1a	Description of waste residues and information on	precautions applying to handling of the product. Dispose of waste and residues in accordance with local authority
13.18	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.
	paonaging.	(expectate controls and personal proteodori) of the obo.
Section	n 14: Transport information	
14.1	UN number:	Not applicable.
14.2	UN proper shipping name:	Not applicable.
14.3	Transport hazard class(es):	Not applicable.
14.4	Packing group:	Not applicable.
14.5	Environmental hazards:	
14.5a	Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?:	No.
14.5b	Is it a marine pollutant according to the IMDG code?:	No.
14.6	Special precautions for user:	None known.
14.7	Transport in bulk according to Annex II of MARPOL and the IBC code:	Not applicable.
14.7a	Other information:	The product is not considered a dangerous good for transport.
14.7b	Classification for other modes of transport:	Contact supplier.
	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):	Not listed.
15.1c	USA Massachusetts Right to Know:	Not listed.
15.1d	USA Pennsylvania Right to Know:	Not listed.
15.1e	USA New Jersey Right to Know:	Not listed.
15.1f	USA California Prop. 65 Components:	Not listed.
15.1g	EU Regulation 1907/2006 {REACH}:	Not Both
15.1h	Annex XIV substances subject to authorization:	Not listed.
15.1i 15.1j	Substances of very high concern: Approved code of practice:	Not listed. Classification and labeling of substances and preparations dangerous
13.1]	Approved code or 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
		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 15.2a	Chemical safety assessment: Other regulatory information:	Not required. None.
15.2a	Other regulatory information.	INOLIG.
Section 16.1	16: Other information Other information:	
16.1a	Date of revision:	26-May-2017
16.1b	SDS number and revision:	F17-529-2-D
16.1c	Supersedes SDS number and revision:	F17-529-2-C
16.1d	Changes made to the previous version of the SDS:	Reviewed and updated document control numbers.
16.1e	Key/legend to abbreviations and acronyms used in the SDS:	ACGIH American Conference of Governmental Industrial Hygienists. ADN European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway. ADR The European Agreement concerning the International Carriage of Dangerous Goods by Road. ATE Acute Toxicity Estimate. BCF Bio Concentration Factor. CAS Chemical Abstracts Service.

		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.
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		GHS Globally Harmonized System of Classification and Labelling of Chemicals.
		Chemicals.
		H Statement GHS Hazard statement
		The State of the Francisco of the State of t
		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.
	text of hazard statements and/or precautionary ements not written out in full elsewhere:	All statements were written out in full.
ISCLAIMER		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

representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

END OF SDS