

according to the OSHA Hazard Communication Standard

Human Chorionic Gonadotropin Formulation (Veterinary)

Version	Revision Date:	SDS Number:	Date of last issue: 09/30/2023
2.2	11/29/2023	8700914-00009	Date of first issue: 06/03/2021

SECTION 1. IDENTIFICATION

Product name Other means of identification		Human Chorionic Gonadotropin Formulation (Veterinary) Chorulon 1500 IU (A001419) Chorulon 5000 IU (A002377)		
Manufacturer or supplier's o	deta	ails		
Company name of supplier	:	Merck & Co., Inc		
Address	:	126 E. Lincoln Avenue		
		Rahway, New Jersey U.S.A. 07065		
Telephone	:	908-740-4000		
Emergency telephone	:	1-908-423-6000		
E-mail address	:	EHSDATASTEWARD@merck.com		
Recommended use of the chemical and restrictions on use				
Recommended use	:	Veterinary product		
Restrictions on use	:	Not applicable		

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Combustible dust

Reproductive toxicity	:	Category 1A
Specific target organ toxicity - repeated exposure	:	Category 1 (Ovary)
GHS label elements		
Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	If small particles are generated during further processing, han- dling or by other means, may form combustible dust concentra- tions in air. H360Fd May damage fertility. Suspected of damaging the un- born child. H372 Causes damage to organs (Ovary) through prolonged or repeated exposure.
Precautionary Statements	:	Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



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rsion 2	Revision Date: 11/29/2023	SDS Number: 8700914-00009	Date of last issue: 09/30/2023 Date of first issue: 06/03/2021
		P270 Do not ea	n thoroughly after handling. at, drink or smoke when using this product. tective gloves, protective clothing, eye protectior
		Response: P308 + P313 IF	exposed or concerned: Get medical attention.
		Storage: P405 Store lock	ked up.
		Disposal:	
		P501 Dispose o disposal plant.	of contents and container to an approved waste

Contact with dust can cause mechanical irritation or drying of the skin.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
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Components

Chemical name	CAS-No.	Concentration (% w/w)			
Gonadotropin, chorionic	9002-61-3	>= 90 - <= 100			
Actual concentration is withheld as a trade secret					

SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	May damage fertility. Suspected of damaging the unborn child. Causes damage to organs through prolonged or repeated



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Protection of first-aiders		the sl Dust : First and u	act with dust kin. contact with Aid respond use the reco	t can cause mechanical irritation or drying of the eyes can lead to mechanical irritation. lers should pay attention to self-protection, mmended personal protective equipment
Notes	s to physician			al for exposure exists (see section 8). ically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx) Sulfur oxides
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are



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		Local or nationa disposal of this employed in the determine whic Sections 13 and	e atmosphere in sufficient concentration. al regulations may apply to releases and material, as well as those materials and items a cleanup of releases. You will need to h regulations are applicable. d 15 of this SDS provide information regarding national requirements.
SECTION	7. HANDLING AND ST	ORAGE	
Technical measures		causing an exp Provide adequa	r may accumulate and ignite suspended dust losion. te precautions, such as electrical grounding rinert atmospheres.
Loca	I/Total ventilation		tilation is unavailable, use with local exhaust
Advid	ce on safe handling	: Do not get on s Do not breathe Do not swallow. Avoid contact w Wash skin thord Handle in accor practice, based assessment Keep container Minimize dust g Keep container Keep away from Take precaution Do not eat, drin	dust. oughly after handling. on the results of the workplace exposure
Conc	litions for safe storage	Store locked up Keep tightly clo	
Mate	rials to avoid	: Do not store wit Strong oxidizing	th the following product types: g agents bstances and mixtures

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

inert or nuisance dust	50 Million particles per cubic foot
	Value type (Form of exposure): TWA (total dust)
	Basis: OSHA Z-3

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15 mg/m³ Value type (Form of exposure): TWA (total dust) Basis: OSHA Z-3 5 mg/m³ Value type (Form of exposure): TWA (respirable fraction) Basis: OSHA Z-3 15 Million particles per cubic foot Value type (Form of exposure): TWA (respirable fraction) Basis: OSHA Z-3 Dust, nuisance dust and par- ticulates 10 mg/m³ Value type (Form of exposure): PEL (Total dust) Basis: CAL PEL 5 mg/m³ Value type (Form of exposure): PEL (respirable dust fraction) Basis: CAL PEL Components CAS-No. Value type (Form of exposure): PEL (respirable dust fraction) Basis: CAL PEL Components CAS-No. Value type (Form of exposure): DEL (respirable dust fraction) Basis: CAL PEL Engineering measures Minimize workplace exposure concentration Wipe limit Engineering measures Minimize workplace exposure concentration. Apply measures to prevent dust explosions. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). If sufficient ventilation. Personal protective equipment Follow OSHA Pespirator respirator regulations (29 CFR 1910.134) and use NICOSH/MSHA approved respirators. Protection should be worn. Follow OSH/MSHA approved respirators. Protection provided by air purifying respirators apoints exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncortolled release, exposure leves are unknown	rsion	Revision Date: 11/29/2023	SDS Number: 8700914-00009		t issue: 09/30/2023 t issue: 06/03/2021				
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ticulates Value type (Form of exposure): PEL (Total dust) Basis: CAL PEL 5 mg/m³ Value type (Form of exposure): PEL (respirable dust fraction) Basis: CAL PEL Components CAS-No. Value type (Form of exposure): PEL (respirable dust fraction) Basis: CAL PEL Gonadotropin, chorionic 9002-61-3 TWA OEB 4 (3 µg/m3) Internal Gonadotropin, chorionic 9002-61-3 TWA OEB 4 (3 µg/m3) Internal Engineering measures Minimize workplace exposure concentrations. Apply measures to prevent dust explosions. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). If sufficient ventilation is unavailable, use with local exhaust ventilation. Personal protective equipment Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provide by air purifying respirators may not provide by air purifying respirators may not provide adequate protection. Hand protection Hand protection			Value type (Fo	orm of exposure)		iction)			
Value type (Form of exposure): PEL (respirable dust fraction) Basis: CAL PELComponentsCAS-No.Value type (Form of exposure)Control parame- ters / Permissible concentrationBasisGonadotropin, chorionic9002-61-3TWAOEB 4 (3 µg/m3)InternalInternalWipe limit25 µg/100 cm²InternalEngineering measures:Minimize workplace exposure concentrations. Apply measures to prevent dust explosions. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). If sufficient ventilation is unavailable, use with local exhaust ventilation.Personal protective equipment:General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits. Where concentrations are above recommended limits. Where concentrations are above respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.Hand protectionEnternal			Value type (Fo		: PEL (Total dust)				
Image: ConstructionImage: ConstructionImage: ConstructionGonadotropin, chorionic9002-61-3TWAOEB 4 (3 µg/m3)InternalImage: ConstructionWipe limit25 µg/100 cm²InternalImage: ConstructionWipe limit25 µg/100 cm²InternalImage: ConstructionMinimize workplace exposure concentrations. Apply measures to prevent dust explosions. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). If sufficient ventilation is unavailable, use with local exhaust ventilation.Personal protective equipment memory protectionGeneral and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.Hand protectionHand protection			Value type (Fo	Value type (Form of exposure): PEL (respirable dust fraction)					
Gonadotropin, chorionic 9002-61-3 TWA OEB 4 (3 µg/m3) Internal Engineering measures : Minimize workplace exposure concentrations. Apply measures to prevent dust explosions. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). If sufficient ventilation is unavailable, use with local exhaust ventilation. Personal protective equipment : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.	Comp	ponents	CAS-No.	(Form of	ters / Permissible	Basis			
Engineering measures : Minimize workplace exposure concentrations. Apply measures to prevent dust explosions. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). If sufficient ventilation is unavailable, use with local exhaust ventilation. Personal protective equipment Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection. Hand protection :	Gona	dotropin, chorionic	9002-61-3			Internal			
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Respiratory protection General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.	Engineering measures :		Apply measure Ensure that d dust collector designed in a work area (i.e If sufficient ve	Apply measures to prevent dust explosions. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). If sufficient ventilation is unavailable, use with local exhaust					
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			maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide						
Material : Chemical-resistant gloves	Hand	protection							
	Material :		: Chemical-res	istant gloves					



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Remarks		on the concent time is not det For special ap resistance to c gloves with the	Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.		
Eye p	protection		Wear the following personal protective equipment:		
Skin and body protection		: Select approp resistance dat potential. Skin contact n	resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective		
Hygiene measures		: If exposure to eye flushing s working place When using d	es, aprons, boots, etc). chemical is likely during typical use, provide ystems and safety showers close to the o not eat, drink or smoke. inated clothing before re-use.		

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Color	:	off-white
Odor	:	odorless
Odor Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, handling or other means.
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available



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	Relativ	e vapor density	:	No data available	9
	Relativ	e density	:	No data available	9
	Solubil Wat	ity(ies) ter solubility	:	soluble	
	Partitio octano	n coefficient: n-	:	No data available	9
		nition temperature	:	No data available	9
	Decomposition temperature		:	No data available	9
	Viscosi Visc	ty cosity, kinematic	:	No data available	9
	Explos	ive properties	:	Not explosive	
	Oxidizi	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Molecu	llar weight	:	No data available	9
	Particle	e size	:	No data available	9

SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. May form explosive dust-air mixture during processing, handling or other means. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.



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Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

- **OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
- **NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

May damage fertility. Suspected of damaging the unborn child.

Components:

Gonadotropin, chorionic:

Effects on fertility :	Test Type: Fertility Species: Rat Application Route: Intravenous injection Fertility: LOAEL: 8.89 mg/kg body weight Result: Effects on fertility.		
	Test Type: Fertility Application Route: Intraperitoneal injection Fertility: LOAEL: 0.883 mg/kg body weight Result: Effects on fertility.		
	Test Type: Fertility Species: Monkey Fertility: LOAEL: 0.224 mg/kg body weight Result: Effects on fertility.		
Effects on fetal development :	Test Type: Embryo-fetal development Species: Hamster Application Route: Intraperitoneal injection		



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				Embryo-fetal toxic Result: Embryo-fe	city.: LOAEL: 60 mg/kg body weight etal toxicity.
	Reprod sessme	luctive toxicity - As- ent	:	fertility from huma	of adverse effects on sexual function and an epidemiological studies., Some evidence on development, based on animal
		single exposure			
N	Not cla	ssified based on availa	able	information.	
		repeated exposure			
			var	y) through prolonge	d or repeated exposure.
<u>C</u>	Compo	onents:			
Т		otropin, chorionic: Organs ment	:	Ovary Causes damage t exposure.	o organs through prolonged or repeated
	•	tion toxicity ssified based on availa	able	information.	
E	Experi	ence with human exp	osi	ure	
<u>c</u>	Compo	onents:			
G	Gonad	otropin, chorionic:			
	nhalati	-	:		varies s on menstruation, gynecomastia, Head- ression, Irritability, restlessness, Fatigue
SECT	FION 1	2. ECOLOGICAL INF	ORI	MATION	
-					
	E cotox No data	a available			
		t ence and degradabil a available	ity		
		a available			

Mobility in soil

No data available

Other adverse effects

No data available



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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

•				
Waste from residues		Dispose of in accordance with local regulations.		
		Do not dispose of waste into sewer.		
Contaminated packaging	:	Empty containers should be taken to an approved waste		
		handling site for recycling or disposal.		
		If not otherwise specified: Dispose of as unused product.		

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

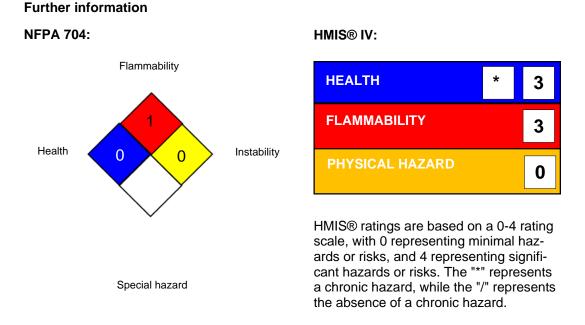
This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Combustible dust Reproductive toxicity Specific target organ toxicity (single or repeated exposure)
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.



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US St	US State Regulations								
Penn	sylvania Right To Kr	ow							
	Gonadotropin, ch Sodium phospha	9002-61-3 10028-24-7							
The ingredients of this product are reported in the following inventories:									
AICS		: not determined	t						
DSL		: not determined	Ł						
IECS	C	: not determined	Ł						

SECTION 16. OTHER INFORMATION



Full text of other abbreviations

CAL PEL	 California permissible exposure limits for chemical contami- nants (Title 8, Article 107)
OSHA Z-3	: USA. Occupational Exposure Limits (OSHA) - Table Z-3 Min- eral Dusts
CAL PEL / PEL	: Permissible exposure limit
OSHA Z-3 / TWA	: 8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Haz-



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ardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC -International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk: IC50 - Half maximal inhibitory concentration: ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/
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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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