

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
6.4	28.09.2024	657991-00024	Date of first issue: 03.05.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier		
Trade name	:	Human Gonadotropin Chorionic / Serum Gonadotropin For- mulation
Other means of identification	:	P.G. 600 INJECTION OF SERUM GONADOTROPHIN (400 I.U.) AND CHORIONIC GONADOTROPHIN (200 I.U.) (37234)
1.2 Relevant identified uses of th	ie s	substance or mixture and uses advised against
Use of the Sub- stance/Mixture	:	Veterinary product
Recommended restrictions on use	:	Not applicable
1.3 Details of the supplier of the	saf	ety data sheet
Company	:	MSD Kilsheelan Clonmel Tipperary, IE
Telephone	:	353-51-601000
E-mail address of person responsible for the SDS	:	EHSDATASTEWARD@msd.com

1.4 Emergency telephone number

+1-908-423-6000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Reproductive toxicity, Category 1A	H360Fd: May damage fertility. Suspected of dam-
	aging the unborn child.
Specific target organ toxicity - repeated	H372: Causes damage to organs through pro-
exposure, Category 1	longed or repeated exposure.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)



Version 6.4	Revision Date: 28.09.2024		DS Number: 7991-00024	Date of last issue: 06.04.2024 Date of first issue: 03.05.2016
Hazard pictograms		:		
Signa	al word	:	Danger	
Hazard statements		-	the unborn child.	ay damage fertility. Suspected of damaging mage to organs through prolonged or re-
Precautionary statements			P260Do not breP264Wash skinP270Do not eat	thoroughly after handling. , drink or smoke when using this product. ective gloves/ protective clothing/ eye protec-
			Response: P308 + P313 IF attention.	exposed or concerned: Get medical advice/

Hazardous components which must be listed on the label: Gonadotropin, chorionic

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	LC-NO.		(/O VV/VV)



Vers 6.4	sion	Revision Date: 28.09.2024	SDS No 657991	umber: -00024		last issue: 06.04.2024 first issue: 03.05.2016	
				Index-No. Registration	number		
	Gonad	otropin, pregnant ma	re serum	9002-70-4 232-663-9		Repr. 1B; H360Fd specific concentra- tion limit Repr. 1B; H360Fd >= 0,01 %	>= 1 - < 10
	Gonad	otropin, chorionic		9002-61-3 232-660-2		Repr. 1A; H360Fd STOT RE 1; H372 (Ovary) specific concentra- tion limit Repr. 1A; H360Fd >= 0,01 % STOT RE 1; H372 >= 0,01 %	>= 1 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures					
General advice		In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical			
		advice.			
Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).			
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.			



Von	Devision Data	0-	No. Numerica	Data of lost issues 00.04.0004			
Version 6.4	Revision Date: 28.09.2024		OS Number: 7991-00024	Date of last issue: 06.04.2024 Date of first issue: 03.05.2016			
			Rinse mouth th	oroughly with water.			
4.2 Most	important symptoms a	nd e	effects, both ac	ute and delayed			
Risks	3	:	May damage fe	ertility. Suspected of damaging the unborn			
			Causes damag exposure.	e to organs through prolonged or repeated			
			Contact with dust can cause mechanical irritation or drying of the skin.				
			Dust contact w	ith the eyes can lead to mechanical irritation.			
	-	mee		ind special treatment needed			
Treat	tment	:	Treat symptom	atically and supportively.			
SECTIO	N 5: Firefighting mea	sur	es				
	guishing media						
Suita	ble extinguishing media	:	Water spray Alcohol-resista Carbon dioxide Dry chemical				
Unsuitable extinguishing : media		:	None known.				
5.2 Speci	al hazards arising fron	n the	e substance or	mixture			
-	fic hazards during fire-	:	Avoid generatin concentrations potential dust e	ng dust; fine dust dispersed in air in sufficient , and in the presence of an ignition source is a explosion hazard. mbustion products may be a hazard to health.			
Haza ucts	ardous combustion prod-	. :	Carbon oxides Nitrogen oxides Sulphur oxides Metal oxides Oxides of phos				
53 Advic	e for firefighters						
Spec	cial protective equipment	: :		fire, wear self-contained breathing apparatus. rotective equipment.			
Spec ods	ific extinguishing meth-	:	cumstances an Use water spra	ing measures that are appropriate to local cir- d the surrounding environment. y to cool unopened containers. naged containers from fire area if it is safe to do			

SO.



Version 6.4	Revision Date: 28.09.2024	SDS Number: 657991-00024	Date of last issue: 06.04.2024 Date of first issue: 03.05.2016					
		Evacuate are	ea.					
SECTION	SECTION 6: Accidental release measures							
6.1 Perso	nal precautions, prot	ective equipment a	and emergency procedures					
Perso	onal precautions	Follow safe h	e equipment and emergency procedures Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8). Avoid release to the environment.					
6.2 Enviro	onmental precautions	5						
Enviro	onmental precautions	Prevent furth Retain and d Local authori	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.					
6.3 Metho	ds and material for c	ontainment and cl	eaning up					
	ods for cleaning up	: Sweep up or tainer for disp Avoid dispers with compres Dust deposits es, as these leased into th Local or natio posal of this employed in mine which r Sections 13 a	vacuum up spillage and collect in suitable con- posal. sal of dust in the air (i.e., clearing dust surfaces					
	ence to other section	-						
	ns: 7, 8, 11, 12 and 1;	3.						

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures	:	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation	:	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	:	Do not get on skin or clothing. Do not breathe dust. Do not swallow. Avoid contact with eyes. Wash skin thoroughly after handling.



Version 6.4	Revision Date: 28.09.2024		DS Number: 7991-00024	Date of last issue: 06.04.2024 Date of first issue: 03.05.2016			
Hygiene measures		:	 Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment. If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. 				
7.2 Cond	litions for safe storage,	inc	ncluding any incompatibilities				
Requirements for storage areas and containers		:	Keep in properly labelled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations.				
Adv	ice on common storage	:	Strong oxidizing	stances and mixtures			
-	ific end use(s) cific use(s)	:	No data available				

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits Dust 5 mg/m3

Value type (Form of exposure): TWA (respirable dust) Basis: FOR-2011-12-06-1358

10 mg/m3 Value type (Form of exposure): TWA (total dust) Basis: FOR-2011-12-06-1358

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Gonadotropin, pregnant mare serum	9002-70-4	TWA	4 μg/m3 (OEB 4)	Internal



Version 6.4	Revision [28.09.202		S Number: 991-00024	Date of last issue: 06.04.2024 Date of first issue: 03.05.2016		
Gona	dotropin, onic	9002-61-3	Wipe limit TWA	40 μg/100 cm2 ΟΕΒ 4 (3 μg/m3)	Internal Internal	
			Wipe limit	25 μg/100 cm ²	Internal	

8.2 Exposure controls

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	

Eye/face protection	:	Wear the following personal protective equipment: Safety goggles Equipment should conform to NS EN 166
Hand protection		
Material	:	Chemical-resistant gloves
Remarks	:	Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous sub- stance and 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.
Skin and body protection	:	Select appropriate protective clothing based on chemical re- sistance data and an assessment of the local exposure poten- tial. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
Respiratory protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Equipment should conform to NS EN 143
Filter type	:	Particulates type (P)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	powder
Colour	:	white
Odour	:	No data available



Vers 6.4	ion	Revision Date: 28.09.2024		S Number: 991-00024	Date of last issue: 06.04.2024 Date of first issue: 03.05.2016
	Odour ⁻	Threshold	:	No data available	
	Melting	point/freezing point	:	No data available)
	Initial b range	oiling point and boiling	:	No data available	
	Flamma	ability (solid, gas)	:	May form explosi dling or other me	ve dust-air mixture during processing, han- ans.
	Flamma	ability (liquids)	:	No data available	•
	Upper explosion limit / Upper flammability limit		:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Flash p	oint	:	Not applicable	
	Auto-ig	nition temperature	:	No data available)
	Decom	position temperature	:	No data available	•
	pН		:	No data available)
	Viscosi Visc	ty cosity, dynamic	:	No data available	
	Visc	osity, kinematic	:	Not applicable	
	Solubili Wat	ty(ies) er solubility	:	No data available	
	Partitio octanol	n coefficient: n- /water	:	Not applicable	
	Vapour	pressure	:	Not applicable	
	Relative	e density	:	No data available)
	Density	1	:	No data available	
	Relative	e vapour density	:	Not applicable	
		e characteristics icle size	:	No data available)



Version 6.4	Revision Date: 28.09.2024	SDS Number: 657991-00024	Date of last issue: 06.04.2024 Date of first issue: 03.05.2016
9.2 Other Explo	information sives	: Not explosive	e
Oxidizing properties		: The substand	ce or mixture is not classified as oxidizing.
Evap	oration rate	: Not applicabl	le
Moleo	cular weight	: No data avai	lable

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents.
10.4 Conditions to avoid		
Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation.
10.5 Incompatible materials Materials to avoid		Oxidizing agents
	•	Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of	:	Inhalation
exposure		Skin contact
		Ingestion
		Eye contact

Acute toxicity

Not classified based on available information.

Components:

Gonadotropin, pregnant mare serum:

Acute oral toxicity : LD50 (Mouse): 120 mg/kg

Acute inhalation toxicity : Remarks: No data available



/ersion 6.4	Revision Date: 28.09.2024		9S Number: 7991-00024	Date of last issue: 06.04.2024 Date of first issue: 03.05.2016
Acute	e dermal toxicity	:	Remarks: No data	a available
	toxicity (other routes of nistration)	:	LD50 (Mouse): > Application Route	
			LD50 (Mouse): > Application Route	
			LD50 (Rat): 500 n Application Route	
			LD50 (Rat): 500 n Application Route	
	corrosion/irritation	b 1 a	·	
	lassified based on availa	DIE	information.	
	oonents:			
Gona Rema	dotropin, pregnant ma arks	re s :	erum: No data available	
	us eye damage/eye irri lassified based on availa			
Com	oonents:			
Gona	dotropin, pregnant ma	re s	erum:	
Rema	arks	:	No data available	
Resp	iratory or skin sensitis	atio	n	
	sensitisation lassified based on availa	ble	information.	
•	iratory sensitisation lassified based on availa	ble	information.	
<u>Com</u>	oonents:			
Gona Rema	dotropin, pregnant ma arks	re s :	erum: No data available	
Germ	cell mutagenicity			
Not c	lassified based on availa	ble	information.	
<u>Com</u>	oonents:			
	dotropin, pregnant ma	re s		
Geno	toxicity in vivo	:	Test Type: Cytoge	enetic assay



/ersion 5.4	Revision Date: 28.09.2024	-	0S Number: 7991-00024	Date of last issue: 06.04.2024 Date of first issue: 03.05.2016
			Result: positive Remarks: Not c	e ite: Intraperitoneal injection lassified due to data which are conclusive cient for classification.
	n ogenicity assified based on avai	ilable	information.	
<u>Comp</u>	onents:			
Gonad	lotropin, pregnant m	nare s	serum:	
Carcin ment	ogenicity - Assess-	:	No data availab	le
•	ductive toxicity amage fertility. Suspe	cted o	of damaging the u	unborn child.
<u>Comp</u>	onents:			
Gonad	lotropin, pregnant m	nare s	serum:	
Effects	s on fertility	:	Fertility: LOAEL Result: Effects of Remarks: May of	te: Subcutaneous .: 10 μg/kg
Effects ment	s on foetal develop-	:		cause birth defects. from similar materials
Repro sessm	ductive toxicity - As- ent	:	animal experime	of adverse effects on development, based on ents., Clear evidence of adverse effects on and fertility, based on animal experiments.
	dotropin, chorionic:	:	Fertility: LOAEL Result: Effects of Test Type: Ferti Application Rou	te: Intravenous injection : 8,89 mg/kg body weight on fertility ility te: Intraperitoneal injection : 0,883 mg/kg body weight on fertility



Version	Revision Date: 28.09.2024	SDS Number:	Date of last issue: 06.04.2024
6.4		657991-00024	Date of first issue: 03.05.2016
		Fertility: LOAEL: Result: Effects o	0,224 mg/kg body weight n fertility
Effect	s on foetal develop-	Species: Hamste	e: Intraperitoneal injection
ment		Application Rout	xicity: LOAEL: 60 mg/kg body weight
Repro sessn	oductive toxicity - As- nent	fertility from hum	e of adverse effects on sexual function and an epidemiological studies., Some evidence s on development, based on animal experi-

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Components:

Gonadotropin, chorionic:

Target Organs: OvaryAssessment: Causes damage to organs through prolonged or repeated
exposure.

Repeated dose toxicity

Components:

Gonadotropin, pregnant mare serum:

Species NOAEL Application Route Exposure time Symptoms	 Rat 1,5 mg/kg Oral 3 Days No adverse effects
Species LOAEL Application Route Exposure time Target Organs	 Rat 10 mg/kg Oral 14 Days Reproductive organs

Aspiration toxicity

Not classified based on available information.



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
6.4	28.09.2024	657991-00024	Date of first issue: 03.05.2016

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

ache, mental depression, Irritability, restlessness, Fatigue

Experience with human exposure

Components:

Gonadotropin, pregi	hant mare serum:
Inhalation	 Symptoms: Headache, Fatigue, mood swings, altered mental status, Oedema, Allergic reactions, Effects on fertility
Skin contact	: Remarks: May produce an allergic reaction.
Ingestion	: Remarks: May be harmful if swallowed.
Gonadotropin, chori	onic:
Inhalation	: Target Organs: ovaries Symptoms: effects on menstruation, gynecomastia, Head-

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components consid-



Version	Revision Date: 28.09.2024	SDS Number:	Date of last issue: 06.04.2024
6.4		657991-00024	Date of first issue: 03.05.2016
		REACH Article	ndocrine disrupting properties according to 57(f) or Commission Delegated regulation 0 or Commission Regulation (EU) 2018/605 at or higher.

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	 Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Do not dispose of waste into sewer.
Contaminated packaging	 Empty containers should be taken to an approved waste han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number or ID number

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.2 UN proper shipping name		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.3 Transport hazard class(es)		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good



Version 6.4	Revision Date: 28.09.2024		ate of last issue: 06.04.2024 ate of first issue: 03.05.2016
ΙΑΤΑ		: Not regulated as a d	angerous good
14.4 Pack	king group		
ADN		: Not regulated as a d	angerous good
ADR		: Not regulated as a d	angerous good
RID		: Not regulated as a d	angerous good
IMDO	6	: Not regulated as a d	angerous good
ΙΑΤΑ	(Cargo)	: Not regulated as a d	angerous good
ΙΑΤΑ	(Passenger)	: Not regulated as a d	angerous good
Not r 14.6 Spec	ronmental hazards egulated as a dangerou cial precautions for us applicable	-	
		according to IMO instrur	nents
Rem	•	: Not applicable for pr	
SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mix- ture			
the m		e manufacture, placing on n dangerous substances, < X\/II)	: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).		: Not applicable	
REA (Ann	REACH - List of substances subject to authorisation (Annex XIV)		: Not applicable
Regu layer	Regulation (EC) on substances that deplete the ozone		: Not applicable
Regu		on persistent organic pollu	- : Not applicable
Regu	Regulation (EU) No 649/2012 of the European Parlia-		: Not applicable

ment and the Council concerning the export and import of dangerous chemicals

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

Other regulations:

Note the Working Environment Act § 4-1 and § 4-2 on requirements for the employer to protect pregnant employees against discomfort and injury as a result of the work situation and the working environment.

Note the regulation on organization, leadership and participation, chapter 12 on the work of children and young people.



Version 6.4	Revision Date: 28.09.2024	SDS Number: 657991-00024	Date of last issue: 06.04.2024 Date of first issue: 03.05.2016
The	components of this p	oduct are repor	ted in the following inventories:
AICS	6	: not determ	ined
DSL		: not determ	ined
IECS	SC	: not determ	ined
15.2 Che	mical safety assessme	ent	
A Chemic	al Safety Assessment I	nas not been carr	ed out.
SECTIO	N 16: Other informa	tion	
Othe	er information		re changes have been made to the previous version nted in the body of this document by two vertical
Full	text of H-Statements		
H360	DFd	: May dama child.	ge fertility. Suspected of damaging the unborn
H372	2		mage to organs through prolonged or repeated
Full	text of other abbrevia	tions	
FOR	T RE -2011-12-06-1358 -2011-12-06-1358 /	: Norway. O	ve toxicity get organ toxicity - repeated exposure ccupational Exposure limits exposure limit
Wate Road	erways; ADR - Agreen d; AIIC - Australian Inve	nent concerning tentory of Industria	nternational Carriage of Dangerous Goods by Inland the International Carriage of Dangerous Goods by I Chemicals; ASTM - American Society for the Test- assification Labelling Packaging Regulation; Regula-

tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; 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; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
6.4	28.09.2024	657991-00024	Date of first issue: 03.05.2016

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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; 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

Further information

Classification of the mixture:	Classification procedure:
Sources of key data used to compile the Safety Data Sheet	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/

Classification of the mixture.		Classification procedure.
Repr. 1A	H360Fd	Calculation method
STOT RE 1	H372	Calculation method

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.

NO / EN