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

1.1	Product identifier Trade name	:	Aprepitant Formulation			
1.2 Relevant identified uses of the substance or mixture and uses advised against						
	Use of the Sub- stance/Mixture	:	Pharmaceutical			
	Recommended restrictions on use	:	Not applicable			
1.3 Details of the supplier of the safety data sheet						
	Company	:	MSD 120 Moorgate EC2M 6UR London, United Kingdom			
	Telephone	:	+44 (0) 2081548000			
	E-mail address of person	:	EHSDATASTEWARD@msd.com			

1.4 Emergency telephone number

responsible for the SDS

1-908-423-6000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Specific target organ toxicity - repeated exposure, Category 2 Long-term (chronic) aquatic hazard, Category 1 H373: May cause damage to organs through prolonged or repeated exposure. H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms



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Signa	l word	:	Warning	
Haza	rd statements	:	H373	May cause damage to organs through prolonged
			H410	or repeated exposure. Very toxic to aquatic life with long lasting effects.
Preca	utionary statements	:	Prevention	:
			P260	Do not breathe dust.
			P273	Avoid release to the environment.
			Response:	
			P314 P391	Get medical advice/ attention if you feel unwell. Collect spillage.

Hazardous components which must be listed on the label:

Aprepitant

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.

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. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Aprepitant	170729-80-3	STOT RE 2; H373 (Prostate, Testis) Aquatic Chronic 1; H410 M-Factor (Chronic aquatic toxicity): 1	>= 30 - < 50
Substances with a workplace exposure	e limit :		
Sucrose	57-50-1		>= 30 - < 50
	200-334-9		
Cellulose	9004-34-6		>= 10 - < 20
	232-674-9		

For explanation of abbreviations see section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measured	ure	S			
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 if symptoms occur.			
In case of skin contact	:	Wash with water and soap. Get medical attention if symptoms occur.			
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 if symptoms occur. Rinse mouth thoroughly with water.			
4.2 Most important symptoms ar	nd e	effects, both acute and delayed			
Risks	:	May cause damage to organs through prolonged or repeated exposure.			
		Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation.			
4.3 Indication of any immediate medical attention and special treatment needed					

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	: Treats

symptomatically and supportively.

SECTION 5: Firefighting measures

5.1 Extinguishing media		
Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.

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5.2 S	pecial	hazards arising from	the	substance or mi	xture	
	Specific fighting	c hazards during fire-	:	concentrations, and potential dust exp	dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a losion hazard. pustion products may be a hazard to health.	
	Hazard ucts	ous combustion prod-	:	Carbon oxides Fluorine compour Nitrogen oxides (I		
5.3 Advice for firefighters						
	Special for firef	protective equipment ighters	:		e, wear self-contained breathing apparatus. ective equipment.	
	Specific ods	c extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do	

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

••••••••••••••••••••••••••••••••••••••		daile inter anna - inter Berre bi e constructe
Personal precautions	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
6.2 Environmental precautions		Avoid release to the environment

6

Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. If spillage enters rivers or watercourses, inform the Environ- ment Agency (emergency telephone number 0800 807060)
		ment Agency (emergency telephone number 0800 807060).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	:	Sweep up or vacuum up spillage and collect in suitable con- tainer 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 surfac- es, as these may form an explosive mixture if they are re- leased into the atmosphere in sufficient concentration. Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter- mine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding
		Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

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6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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 Advice on safe handling	 Use only with adequate ventilation. Do not breathe dust. Do not swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment 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. Take care to prevent spills, waste and minimize release to the environment
Hygiene measures	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 contami- nated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.
Conditions for safe storage	cluding any incompatibilities

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	:	Keep in properly labelled containers. Store in accordance with the particular national regulations.
Advice on common storage	:	Do not store with the following product types: Strong oxidizing agents
7.3 Specific end use(s) Specific use(s)	:	No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits	
dust of any kind	10 mg/m3

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Value type (Form of exposure): TWA (Inhalable) Basis: GB EH40

4 mg/m3 Value type (Form of exposure): TWA (Respirable fraction) Basis: GB EH40

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Aprepitant	170729-80- 3	TWA	0.2 mg/m3 (OEB 2)	Internal
Sucrose	57-50-1	TWA	10 mg/m3	GB EH40
		STEL	20 mg/m3	GB EH40
Cellulose	9004-34-6	TWA (inhalable dust)	10 mg/m3	GB EH40
		TWA (Respirable dust)	4 mg/m3	GB EH40
		STEL (inhalable dust)	20 mg/m3	GB EH40

8.2 Exposure controls

Engineering measures

Use feasible engineering controls to minimize exposure to compound. All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.

Personal protective equipment

Eye/face protection	:	Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Hand protection Material	:	Chemical-resistant gloves
Skin and body protection Respiratory protection	:	Work uniform or laboratory coat. 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 BS EN 143
Filter type	:	Particulates type (P)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

: powder
: coloured
: odourless
: No data available

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	рН		:	No data available	
	Melting	point/freezing point	:	No data available	9
		oiling point and boiling	:	No data available	9
	range Flash p	point	:	No data available	9
	Evapor	ation rate	:	No data available	
	Flamm	ability (solid, gas)	:	May form explosi dling or other me	ve dust-air mixture during processing, han- ans.
		explosion limit / Upper ability limit	:	No data available	
		explosion limit / Lower ability limit	:	No data available	
	Vapour	pressure	:	No data available	9
	Relativ	e vapour density	:	No data available	9
	Relativ	e density	:	No data available	9
	Density	/	:	No data available	9
	Partitio octanol	er solubility n coefficient: n- l/water	:	No data available No data available	
	Auto-ig	nition temperature	:	No data available	
		position temperature	:	No data available	
	Viscosi Visc	ty cosity, kinematic	:	No data available	
	Explosi	ive properties	:	Not explosive	
	Oxidizi	ng properties	:	The substance or	r mixture is not classified as oxidizing.
9.2	Other ir	nformation			
	Flamm	ability (liquids)	:	No data available)
	Molecu	llar weight	:	No data available)
	Minimu	im ignition energy	:	< 3 mJ	
	Particle	e size	:	No data available	9

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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.

Conditions to avoid	: Heat, flames and spark	
	Avoid dust formation.	

10.5 Incompatible materials

Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects Information on likely routes of : Inhalation exposure Skin contact Ingestion

Acute toxicity

Not classified based on available information.

Components:

Aprepitant:

Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg
		LD50 (Mouse): > 2,000 mg/kg
Acute toxicity (other routes of administration)	:	LD50 (Rat): 800 - 2,000 mg/kg Application Route: Intraperitoneal
		LD50 (Mouse): > 2,000 mg/kg Application Route: Intraperitoneal
Sucrose:		
Acute oral toxicity	:	LD50 (Rat): 29,700 mg/kg

Eye contact

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Cellu	lose:			
Acute	e oral toxicity	:	LD50 (Rat): > 5,0	00 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 5.8 Exposure time: 4 Test atmosphere:	h
Acute	e dermal toxicity	:	LD50 (Rabbit): > 2	2,000 mg/kg
	corrosion/irritation lassified based on ava	ilable	information.	
Com	ponents:			
Apre Spec Methe Resu	od	:	Rabbit Draize Test No skin irritation	
	us eye damage/eye i lassified based on ava			
Com	ponents:			
	pitant:			
Spec Metho Resu	od	:	Rabbit Draize Test No eye irritation	
Resp	iratory or skin sensit	tisatio	n	
•	sensitisation lassified based on ava	ilable	information.	
-	iratory sensitisation lassified based on ava	ilable	information.	
Com	ponents:			
Apre Rema	pitant: arks	:	No data available	
	n cell mutagenicity lassified based on ava	ilable	information.	
Com	ponents:			
	pitant: toxicity in vitro	:	Test Type: Ames Result: negative	test
			Test Type: Chrom	nosomal aberration

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		Tost system: C	
		Result: negativ	chinese hamster ovary cells
		Ū	
		Test Type: Alka Test system: ra	aline elution assay at benatocytes
		Result: negativ	
		Test Type: in v	itro assay
		Test system: h Result: negativ	uman lymphoblastoid cells e
Genoto	kicity in vivo	: Test Type: Mic	
		Species: Mous	
		Application Ro Result: negativ	
Sucrose	e:		
Genotox	kicity in vitro	: Test Type: In v Result: negativ	ritro mammalian cell gene mutation test re
Cellulos	se:		
Genotox	kicity in vitro	: Test Type: Bac Result: negativ	cterial reverse mutation assay (AMES) e
		Test Type: In v Result: negativ	itro mammalian cell gene mutation test e
Genotox	cicity in vivo	: Test Type: Mai cytogenetic as	mmalian erythrocyte micronucleus test (in vive sav)
		Species: Mous	e
		Application Ro Result: negativ	
	ogenicity		
Not clas <u>Compo</u> i		vailable information.	
Aprepit		: Mouse, male	
Species Applicat	ion Route	: Oral	
Exposur		: 106 weeks	
Dose		: >=1000 mg/kg	body weight
Result		: positive	
Remark	S	: The mechanisr	n or mode of action is not relevant in humans
Species		: Mouse, female	
	ion Route	: Oral	
Exposur	e time	: 106 weeks	hady weight
	e time	: 106 weeks : >= 500 mg/kg l : positive	body weight

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ersion 4	Revision Date: 28.09.2024	-	OS Number: 71321-00009	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021	
Rema	rks	:	The mechanisr	n or mode of action is not relevant in humans.	
Species Application Route Exposure time Dose Result Remarks			 Mouse Oral 105 weeks 2000 mg/kg body weight positive The mechanism or mode of action is not relevant in humans 		
Cellu	lose:				
	cation Route sure time	::	Rat Ingestion 72 weeks negative		
	oductive toxicity assified based on avai	lable	information.		
<u>Comp</u>	oonents:				
	bitant: s on fertility	:		nale and female L: 2,000 mg/kg body weight	
Effect ment	s on foetal develop-	:			
				t	
Cellul					
Effect	s on fertility	:	Test Type: One Species: Rat Application Rou Result: negativ		
Effect ment	s on foetal develop-	:	Test Type: Fer Species: Rat Application Rou Result: negativ		

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STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Components:

Aprepitant:

Target Organs Assessment	Prostate, TestisMay cause damage to organs through prolonged or repeated
	exposure.

Repeated dose toxicity

Components:

Aprepitant:

Species : LOAEL : Application Route : Exposure time : Target Organs :	Dog >= 50 mg/kg Oral 39 Weeks Prostate, Testis
Species:NOAEL:Application Route:Exposure time:Target Organs:	Rat 125 mg/kg Oral 27 Weeks Liver, Thyroid
Species:NOAEL:Application Route:Exposure time:Remarks:	Monkey 0.240 mg/kg Intravenous 7 d No significant adverse effects were reported
Species:LOAEL:Application Route:Exposure time:Target Organs:	Rat, female 125 mg/kg Oral 106 Weeks Kidney
Cellulose:	
Species:NOAEL:Application Route:Exposure time:	Rat >= 9,000 mg/kg Ingestion 90 Days

Aspiration toxicity

Not classified based on available information.

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E	Experie	ence with human exp	osu	re	
<u>c</u>	Compo	onents:			
Å	Aprepi	tant:			
l:	ngestio	ngestion : Symptoms: Headache, Fatigue, hiccups, constipation ia, liver function change, Rash, Nausea, Diarrhoea, h sion			
SEC		12: Ecological infor	ma	tion	
12.1	Toxicit	y			
<u>c</u>	Compo	onents:			
Å	Aprepi	tant:			
Т	Toxicity	v to fish	:	Exposure time: 96 Method: OECD Te	
		v to daphnia and other invertebrates	:	Exposure time: 48 Method: OECD Te	
	Toxicity plants	v to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD Te Remarks: No toxic	est Guideline 201 city at the limit of solubility chneriella subcapitata (green algae)): >
				Method: OECD Te	
Т	Toxicity	v to microorganisms	:	EC50 : > 100 mg/ Exposure time: 3 Test Type: Respir Method: OECD Te Remarks: No toxic	h ation inhibition
	Toxicity city)	v to fish (Chronic tox-	:	NOEC: 0.195 mg/ Exposure time: 32 Species: Pimepha Method: OECD Te	2 d Iles promelas (fathead minnow)
a		v to daphnia and other invertebrates (Chron- ity)	:	NOEC: 0.018 mg/ Exposure time: 21 Species: Daphnia Method: OECD Te	d magna (Water flea)

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	M-Fact toxicity	or (Chronic aquatic)	:	1	
	Cellulo	ose:			
-	Toxicity	y to fish	:	Exposure time: 4	tipes (Japanese medaka)): > 100 mg/l 8 h on data from similar materials
12.2	Persis	tence and degradabi	lity		
<u>(</u>	Compo	onents:			
	Aprepi	tant:			
I	Biodeg	radability	:	Result: not rapid! Biodegradation: Exposure time: 6 Method: OECD T	50 %
	Cellulo	ose:			
I	Biodeg	radability	:	Result: Readily b	iodegradable.
12.3	Bioaco	cumulative potential			
<u>(</u>	Compo	onents:			
	Aprepi	tant:			
I	Bioacc	umulation	:	Bioconcentration	s macrochirus (Bluegill sunfish) factor (BCF): 50.1 est Guideline 305
	Partitio octanol	n coefficient: n- I/water	:	log Pow: 4.75	
I	Sucros Partitio octanol	n coefficient: n-	:	Pow: < 1	
12.4	Mobilit	ty in soil			
9	Compo	onents:			
I		tant: ution among environ- compartments	:	log Koc: 3.10	
12.5	Result	s of PBT and vPvB a	sse	ssment	
<u> </u>	Produc	<u>ct:</u>			
-	Assess		:	to be either persis	nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of

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12.6 Other adverse effects

Product:

Endocrine disrupting poten- : tial	This substance/mixture does not contain components consid- ered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).
---------------------------------------	--

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

ADN	: UN 3077
ADR	: UN 3077
RID	: UN 3077
IMDG	: UN 3077
ΙΑΤΑ	: UN 3077
14.2 UN proper shipping nar	ne
ADN	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Aprepitant)
ADR	 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Aprepitant)
RID	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Aprepitant)
IMDG	 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Aprepitant)
ΙΑΤΑ	: Environmentally hazardous substance, solid, n.o.s. (Aprepitant)

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14.3	14.3 Transport hazard class(es)					
				Class	Subsidiary risks	
	ADN		:	9		
	ADR		:	9		
	RID		:	9		
	IMDG		:	9		
	ΙΑΤΑ		:	9		
14.4	Packii	ng group				
	Classif	g group ication Code I Identification Number	: :	III M7 90 9		
	Classif Hazaro Labels	g group ication Code d Identification Number	::	III M7 90 9 (-)		
	Classif	g group ication Code d Identification Number	: : :	III M7 90 9		
	IMDG Packin Labels EmS C		:	III 9 F-A, S-F		
	Packin aircraft Packin	g instruction (LQ) g group	:	956 Y956 III Miscellaneous		
	IATA (Packin ger air Packin	Passenger) g instruction (passen- craft) g instruction (LQ) g group	:	956 Y956 III Miscellaneous		
14.5	14.5 Environmental hazards					
	ADN Enviro ADR	nmentally hazardous	:	yes		





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Enviro	onmentally hazardous	:	yes	
RID Enviro	onmentally hazardous	:	yes	
IMDG Marine	e pollutant	:	yes	
	(Passenger)	:	yes	
	(Cargo) onmentally hazardous	:	yes	

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks

: Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions	(Annex 17)	:	Not applicable	
UK REACH Candidate list of su concern (SVHC) for Authorisati		:	Not applicable	
The Persistent Organic Polluta Regulation (EU) 2019/1021 as ain)	nts Regulations (retained	:	Not applicable	
Regulation (EC) on substances layer	s that deplete the ozone	:	Not applicable	
UK REACH List of substances (Annex XIV)	subject to authorisation	:	Not applicable	
GB Export and import of hazard Informed Consent (PIC) Regula		:	Not applicable	
Control of Major Accident Haza	ards Regulations 2015 (CC	DMA	.H)	
			Quantity 1	Quantity 2
E1	ENVIRONMENTAL HAZARDS		100 t	200 t

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

The components of this product are reported in the following inventories:

AICS : n	ot determined
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According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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DSL		: not determined	ł	
IECS	SC	: not determined	3	
A Chemic	mical safety assessm al Safety Assessment N 16: Other informa	has not been carried	out.	
Other information :		: Items where cl	Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.	
Full t	text of H-Statements			
H373 H410		exposure if sw	mage to organs through prolonged or repeated allowed. quatic life with long lasting effects.	
	, text of other abbrevia	•		
STO GB E GB E		: Specific target : UK. EH40 WE : Long-term exp	ronic) aquatic hazard organ toxicity - repeated exposure L - Workplace Exposure Limits osure limit (8-hour TWA reference period) oosure limit (15-minute reference period)	
Wate	erways; ADR - Agreer	ment concerning the	national Carriage of Dangerous Goods by Inland International Carriage of Dangerous Goods by Demicals: ASTM - American Society for the Test-	

Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (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 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 ReAccording to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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striction 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

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

		elaconiteation procee
STOT RE 2	H373	Calculation method
Aquatic Chronic 1	H410	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.

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