

Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
3.0	2024/09/28	10836567-00005	Date of first issue: 2022/08/26

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Permethrin (5%) / Piperonyl Butoxide (5%) Formulation
Manufacturer or supplier's de Company	eta :	ils MSD
Address	:	No. 485 Jing Tai Road Pu Tuo District - Shanghai - China 200331
Telephone	:	+1-908-740-4000
Emergency telephone number	:	86-571-87268110
E-mail address	:	EHSDATASTEWARD@msd.com
Recommended use of the che	em	ical and restrictions on use
Recommended use Restrictions on use	:	Veterinary product Not applicable

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance Colour Odour	:	liquid amber odourless
May cause an allergic skin rea	ctio	n. Very toxic to aquatic life with long lasting effects.
GHS Classification		
Skin sensitisation	:	Category 1
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1
GHS label elements Hazard pictograms	:	



	Revision Date: 2024/09/28	SDS Nu 108365	imber: 67-00005	Date of last issue: 2024/04/06 Date of first issue: 2022/08/26
Signal w	ord	: Wa	rning	
Hazard s	tatements			an allergic skin reaction. to aquatic life with long lasting effects.
Precautio	onary statements	P26 P27 the P27	72 Contamina workplace.	thing mist or vapours. ted work clothing should not be allowed out of use to the environment. active gloves.
		P30 P33 vice P36 reu	33 + P313 lf s e/ attention. 52 + P364 Tal	ON SKIN: Wash with plenty of water. kin irritation or rash occurs: Get medical ad- ke off contaminated clothing and wash it before lage.
			posal:	
			01 Dispose of posal plant.	contents/ container to an approved waste
-	l and chemical haza sified based on availa		nation.	

May cause an allergic skin reaction.

Environmental hazards

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Other hazards which do not result in classification

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Permethrin (ISO)	52645-53-1	>= 2.5 -< 10
2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether	51-03-6	>= 2.5 -< 10

4. FIRST AID MEASURES

General advice

: In the case of accident or if you feel unwell, seek medical ad-

according to GB/T 16483 and GB/T 17519

Permethrin (5%) / Piperonyl Butoxide (5%) Formulation

Version 3.0	Revision Date: 2024/09/28		DS Number: 836567-00005	Date of last issue: 2024/04/06 Date of first issue: 2022/08/26				
lf inh:	alad		vice immediately. When symptoms advice. If inhaled, remove	persist or in all cases of doubt seek medical				
			Get medical atten	tion if symptoms occur.				
In ca	se of skin contact	of water. Remove con Get medical Wash clothin		e of contact, immediately flush skin with soap and plenty er. e contaminated clothing and shoes. edical attention. clothing before reuse. ighly clean shoes before reuse.				
In ca	se of eye contact	:	Flush eyes with w	ater as a precaution.				
lf swa	If swallowed		If swallowed, DO Get medical atten	tion if irritation develops and persists. NOT induce vomiting. tion if symptoms occur. oughly with water.				
and e	Most important symptoms and effects, both acute and delayed		: May cause an allergic skin reaction. This product contains a pyrethroid. Pyrethroid poisoning should not be confused with c					
Prote	Protection of first-aiders		or organophosphate poisoning. 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).					
Notes	s to physician	:	Treat symptomatically and supportively.					
5. FIREFI	GHTING MEASURES							
Suita	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical					
Unsu media	itable extinguishing a	:	None known.					
Spec fightir	ific hazards during fire- ng	:	Exposure to com	pustion products may be a hazard to health.				
Haza ucts	rdous combustion prod-	:	Carbon oxides Chlorine compour	nds				
Spec ods	ific extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. ged containers from fire area if it is safe to do				
	ial protective equipment efighters	:		e, wear self-contained breathing apparatus. tective equipment.				



Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
3.0	2024/09/28	10836567-00005	Date of first issue: 2022/08/26

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 pro- tective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). 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	:	Soak up with inert absorbent material. For large spills, provide dyking or other appropriate contain- ment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor- bent. 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 certain local or national requirements.

7. HANDLING AND STORAGE

Handling		
Technical measures	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.	
Local/Total ventilation	Use only with adequate ventilation.	
Advice on safe handling	Do not get on skin or clothing. Avoid breathing mist or vapours. Do not swallow. Avoid contact with eyes.	
	Handle in accordance with good industrial hygiene and sa practice, based on the results of the workplace exposure sessment	
	Take care to prevent spills, waste and minimize release to environment.	o the
Avoidance of contact	Oxidizing agents	
Storage		
Conditions for safe storage	Keep in properly labelled containers.	



Version 3.0	Revision Date: 2024/09/28	SDS Number: 10836567-00005	Date of last issue: 2024/04/06 Date of first issue: 2022/08/26
Materia	als to avoid		nce with the particular national regulations. In the following product types: agents

Packaging material : Unsuitable material: None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components CAS-No. Value type Control parame-Basis (Form of ters / Permissible exposure) concentration 80 µg/m3 (OEB 3) Permethrin (ISO) TWA 52645-53-1 Internal Wipe limit 800 µg/100 cm² Internal 2-(2-butoxyethoxy)ethyl 6-51-03-6 TWA 4 mg/m3 (OEB 1) Internal propylpiperonyl ether **Engineering measures** Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., dripless quick connections). All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices). Minimize open handling. Personal protective equipment Respiratory protection If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Combined particulates and organic vapour type Filter type 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. Skin and body protection Work uniform or laboratory coat. : Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing. Hand protection Material Chemical-resistant gloves

Components with workplace control parameters

SAFETY DATA SHEET according to GB/T 16483 and GB/T 17519



Permethrin (5%) / Piperonyl Butoxide (5%) Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
3.0	2024/09/28	10836567-00005	Date of first issue: 2022/08/26
	emarks ene measures	eye flushing sy ing place. When using do Contaminated workplace. Wash contamin The effective o engineering co appropriate de	chemical is likely during typical use, provide stems and safety showers close to the work- not eat, drink or smoke. work clothing should not be allowed out of the nated clothing before re-use. peration of a facility should include review of ntrols, proper personal protective equipment, gowning and decontamination procedures, ne monitoring, medical surveillance and the

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	amber
Odour	:	odourless
Odour 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	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	< 2 mmHg (25 °C)
Relative vapour density	:	No data available



ensity es) solubility oefficient: n- ater on temperature sition temperature ty, kinematic properties	 No data available 0.885 g/cm³ negligible Not applicable No data available No data available No data available No data available No tata available Not explosive 	e e		
es) solubility oefficient: n- ater on temperature sition temperature ty, kinematic properties	 : 0.885 g/cm³ : negligible : Not applicable : No data available : No data available : No data available : No data available : Not explosive 	e e		
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solubility oefficient: n- ater on temperature sition temperature ty, kinematic properties	 Not applicable No data available No data available No data available No data available Not explosive 	9		
ater on temperature sition temperature ty, kinematic properties	 No data available No data available No data available No data available Not explosive 	9		
on temperature sition temperature ty, kinematic properties	 No data available No data available Not explosive 	9		
ty, kinematic properties	: No data available : Not explosive			
properties	: Not explosive	e		
properties				
	: The substance o	r mixture is not classified as oxidizing.		
weight	: No data available	9		
aracteristics ze	: Not applicable			
AND REACTIVITY	,			
stability of hazardous reac- s to avoid ble materials s decomposition	 Stable under nor Can react with st None known. Oxidizing agents 	rong oxidizing agents.		
11. TOXICOLOGICAL INFORMATION				
routes	: Inhalation Skin contact Ingestion Eye contact			
icity ïed based on availa	ble information.			
toxicity	: Acute toxicity esti Method: Calculati	mate: > 5,000 mg/kg on method		
	aracteristics AND REACTIVITY stability of hazardous reac- to avoid ble materials s decomposition DGICAL INFORMAT routes icity ied based on availa	aracteristics ze : Not applicable AND REACTIVITY : Not classified as stability : Stable under nor of hazardous reac- : Can react with st to avoid : None known. ble materials : Oxidizing agents s decomposition : No hazardous de OGICAL INFORMATION routes : Inhalation Skin contact Ingestion Eye contact icity ied based on available information. toxicity : Acute toxicity esti		



rsion	Revision Date: 2024/09/28		8 Number: 36567-00005	Date of last issue: 2024/04/06 Date of first issue: 2022/08/26
Acute	inhalation toxicity		Acute toxicity es Exposure time: Test atmospher Method: Calcula	e: dust/mist
<u>Comp</u>	oonents:			
Perme	ethrin (ISO):			
Acute	oral toxicity	:	LD50 (Rat): 480) - 554 mg/kg
Acute	inhalation toxicity		LC50 (Rat): 2.3 mg/l Exposure time: 4 h Test atmosphere: dust/mist	
Acute	dermal toxicity	:	LD50 (Rabbit): :	> 2,000 mg/kg
2-(2-b	outoxyethoxy)ethyl 6	-propy	piperonyl ethe	er:
Acute	oral toxicity		LD50 (Rat): > 2 Method: OECD	,000 mg/kg Test Guideline 423
Acute	inhalation toxicity		LC50 (Rat): > 5.2 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403	
Acute	dermal toxicity	:	LD50 (Rat): > 2 Method: OECD	,000 mg/kg Test Guideline 402
Not cla	corrosion/irritation assified based on ava	ilable ir	nformation.	
	oonents:			
	ethrin (ISO):		D-11.1	
Specie Result			Rabbit No skin irritatior	1
2-(2-b	utoxyethoxy)ethyl 6	-propy	piperonyl ethe	er:
Specie			Rabbit	
Metho Result			OECD Test Gui No skin irritatior	
Asses				sure may cause skin dryness or cracki

Not classified based on available information.



Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
3.0	2024/09/28	10836567-00005	Date of first issue: 2022/08/26

Components:

Permethrin (ISO):

Species Result	3
Result	

RabbitNo eye irritation

2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether:

Species : Result : Method :	Rabbit
Result :	Irritation to eyes, reversing within 21 days
Method :	OECD Test Guideline 405

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Components:

Permethrin (ISO):

:	Buehler Test
:	Skin contact
:	Guinea pig
:	positive
	:

Assessment

: Probability or evidence of skin sensitisation in humans

2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether:

Test Type	: Maximisation Test
Exposure routes	: Skin contact
Species	: Guinea pig
Method	: OECD Test Guideline 406
Test Type Exposure routes Species Method Result	: negative

Germ cell mutagenicity

Not classified based on available information.

Components:

Permethrin (ISO):

Genotoxicity in vitro	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
	Test Type: In vitro mammalian cell gene mutation test Result: negative

according to GB/T 16483 and GB/T 17519



Permethrin (5%) / Piperonyl Butoxide (5%) Formulation

rsion	Revision Date: 2024/09/28	SDS Number: 10836567-00005	Date of last issue: 2024/04/06 Date of first issue: 2022/08/26
		Test Type: Chro Result: negative	mosome aberration test in vitro
			damage and repair, unscheduled DNA syn alian cells (in vitro)
		Test Type: Chro Result: positive	mosome aberration test in vitro
Genotoxicity in vivo		: Test Type: Mam cytogenetic ass Species: Mouse Result: negative	
		Test Type: Rode Species: Mouse Result: negative	
		cytogenetic ass Species: Rat	te: Intraperitoneal injection
	cell mutagenicity -	: Weight of evider cell mutagen.	nce does not support classification as a ger
2-(2-k	outoxyethoxy)ethyl 6	-propylpiperonyl ethe	r:
Geno	toxicity in vitro	: Test Type: Bact Result: pegative	erial reverse mutation assay (AMES)

Carcinogenicity

Ι

Not classified based on available information.

Result: negative



Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
3.0	2024/09/28	10836567-00005	Date of first issue: 2022/08/26

Components:

Permethrin (ISO):

Species Result	-	Rat negative
Species Result		Mouse negative

2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether:

Species Application Route	: Rat
Application Route	: Ingestion
Exposure time	: 107 weeks
Method	: OECD Test Guideline 451
Exposure time Method Result	: negative
Result	. negative

Reproductive toxicity

Not classified based on available information.

Components:

Permethrin (ISO):

Effects on fertility	:	Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative
Effects on foetal develop- ment	:	Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat Application Route: Ingestion Result: negative

2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether:

Effects on fertility	:	Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative
Effects on foetal develop- ment	:	Test Type: Embryo-foetal development Species: Rat Application Route: Ingestion Result: negative

STOT - single exposure

Not classified based on available information.



Version	Revision Date:
3.0	2024/09/28

SDS Number: 10836567-00005

Date of last issue: 2024/04/06 Date of first issue: 2022/08/26

Components:

2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether:

Assessment

: May cause respiratory irritation.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

Exposure time

Permethrin (ISO):

Species NOAEL Application Route Exposure time	: Rat : 0.2201 mg : Inhalation : 90 Days	/I
Species NOAEL Application Route	: Rat : 175 mg/kg : Ingestion	

2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether:

:

90 Days

Species NOAEL	:	Rat
NOAEL	:	1,323 mg/kg
Application Route	:	Ingestion
Exposure time	:	7 Weeks

Aspiration toxicity

Not classified based on available information.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Permethrin (IS	O) :
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Toxicity to fish	:	LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.00079 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0.0001 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	ErC50 (Pseudokirchneriella subcapitata (green algae)): > 1.13 mg/l Exposure time: 72 h

according to GB/T 16483 and GB/T 17519



Permethrin (5%) / Piperonyl Butoxide (5%) Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
3.0	2024/09/28	10836567-00005	Date of first issue: 2022/08/26

		EC10 (Pseudokirchneriella subcapitata (green algae)): 0.0023 mg/l Exposure time: 72 h
M-Factor (Acute aquatic tox- icity)	:	10,000
Toxicity to fish (Chronic tox- icity)	:	NOEC (Danio rerio (zebra fish)): 0.00041 mg/l Exposure time: 35 d Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC (Daphnia magna (Water flea)): 0.0047 μg/l Exposure time: 21 d Method: OECD Test Guideline 211
M-Factor (Chronic aquatic toxicity)	:	10,000
Toxicity to microorganisms	:	EC50: > 1,000 mg/l Exposure time: 3 h

2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether:

Toxicity to fish	:	LC50 (Cyprinodon variegatus (sheepshead minnow)): 3.94 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0.51 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	ErC50 (Pseudokirchneriella subcapitata (green algae)): 3.89 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		NOEC (Pseudokirchneriella subcapitata (green algae)): 0.824 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic tox- icity)	:	1
	:	NOEC (Pimephales promelas (fathead minnow)): 0.18 mg/l Exposure time: 35 d
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		NOEC (Daphnia magna (Water flea)): 0.03 mg/l Exposure time: 21 d
M-Factor (Chronic aquatic	:	1



according to GB/T 16483 and GB/T 17519

Permethrin (5%) / Piperonyl Butoxide (5%) Formulation

Version 3.0	Revision Date: 2024/09/28	SDS Number: 10836567-0000	Date of last issue: 2024/04/06 5 Date of first issue: 2022/08/26
toxici Toxic	ty) sity to microorganisms	: EC50: > 1,0 Exposure tin Method: OE	
Persi	istence and degradab	bility	
<u>Com</u>	ponents:		
	nethrin (ISO): egradability		readily biodegradable. CD Test Guideline 301F
	butoxyethoxy)ethyl 6- egradability	: Result: Not Biodegradat Exposure tin	readily biodegradable. ion: 0%
Bioa	ccumulative potentia	l	
Com	ponents:		
Bioad	nethrin (ISO): ccumulation tion coefficient: n-		oomis macrochirus (Bluegill sunfish) ation factor (BCF): 570
	nol/water		
Partit	butoxyethoxy)ethyl 6- tion coefficient: n- nol/water	propylpiperonyl e : log Pow: 5	ether:
	i lity in soil ata available		
	r adverse effects ata available		
13. DISPO	DSAL CONSIDERATION	ONS	
-	osal methods e from residues	: Do not dispo	ose of waste into sewer.

Waste from residues	:	Do not dispose of waste into sewer.
		Dispose of in accordance with local regulations.
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.



Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
3.0	2024/09/28	10836567-00005	Date of first issue: 2022/08/26

14. TRANSPORT INFORMATION

International Regulations

UNRTDG UN number Proper shipping name	 UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Permethrin (ISO), 2-(2-butoxyethoxy)ethyl 6-propylpiperonyl
Class Packing group Labels Environmentally hazardous	ether) : 9 : III : 9 : 9 : yes
IATA-DGR UN/ID No. Proper shipping name	 UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Permethrin (ISO), 2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether)
Class Packing group Labels Packing instruction (cargo aircraft)	: 9 : III : Miscellaneous : 964
Packing instruction (passen- ger aircraft) Environmentally hazardous	: 964 : yes
IMDG-Code UN number Proper shipping name	 UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Permethrin (ISO), 2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether)
Class Packing group Labels EmS Code Marine pollutant	 9 101 9 101 101 9 102 103 104 10

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

Not applicable for product as supplied.

National Regulations

GB 6944/12268

UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
		N.O.S.
		(Permethrin (ISO), 2-(2-butoxyethoxy)ethyl 6-propylpiperonyl



Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
3.0	2024/09/28	10836567-00005	Date of first issue: 2022/08/26

		ether)
Class	:	9
Packing group	:	III
Labels	:	9
Marine pollutant	:	no

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.

15. REGULATORY INFORMATION

National regulatory information

Law on the Prevention and Control of Occupational Diseases

Regulations on Safety Management of Hazardous Chemicals

Regulations on Galety Manag	cincin of nazardous one	Inical3	
Catalogue of Hazardous Chem	icals :	This product is not listed in the cata- logue of hazardous chemicals, but it meets the definition of hazardous chemicals and its principles of de- termination.	
Identification of Major Hazard In 18218)	nstallations for Hazardous (Chemicals (GB : Not listed	
Hazardous Chemicals for Priori SAWS	ty Management under :	Not listed	
Regulations on Labour Prote	ction in Workplaces wher	e Toxic Substances are Used	
Regulations on Labour Prote Catalogue of Highly Toxic Cher	nicals :	Not listed	
Regulation of Environmental and Export of Toxic Chemica		Import of Chemicals and the Import	
China Severely Restricted Toxi and Export	c Chemicals for Import :	Not listed	
Regulation on the Administra	tion of Precursor Chemic	als	
Catalogue and Classification of			
Yangtze River Protection Law	V		
This product does not contain a	any dangerous chemicals p	rohibited for inland river transport.	
The components of this product are reported in the following inventories:			
AICS	: not determined		



Version 3.0	Revision Date: 2024/09/28		DS Number: 0836567-00005	Date of last issue: 2024/04/06 Date of first issue: 2022/08/26
DS	L	:	not determined	
IEC	SC	:	not determined	
16. OTHER INFORMATION				
Revision Date		:	2024/09/28	
Further information				
Sources of key data used to compile the Safety Data Sheet		:		data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format : yyyy/mm/dd

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil: ASTM - American Society for the Testing of Materials; bw - Body weight: CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; ERG - Emergency Response Guide; 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recom-



Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
3.0	2024/09/28	10836567-00005	Date of first issue: 2022/08/26

mendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Disclaimer

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