

Vers 4.0	sion	Revision Date: 06.04.2024		S Number: 8072-00011	Date of last issue: 30.09.2023 Date of first issue: 05.06.2020
Sect	tion 1: lo	dentification			
	Product identifier		:	Oxytetracycline S	Solid Formulation
	Recom	mended use of the ch	nem	ical and restriction	ons on use
	Recommended use Restrictions on use		:	Veterinary produce Not applicable	ct
			•		
	Manufa	cturer or supplier's d	etai	ls	
	Compar	ıy	:	MSD	
	Address	3	:	50 Tuas West Dr Singapore - Sing	
	Telepho	ne	:	+1-908-740-4000)
	Emerge	ncy telephone number	:	65 6697 2111 (24	4/7/365)
	E-mail a	address	:	EHSDATASTEW	ARD@msd.com

Section 2: Hazard identification

Classification of the substance or mixture

Skin corrosion/irritation	:	Category 1
Serious eye damage/eye irri- tation	:	Category 1
Skin sensitisation	:	Category 1
Reproductive toxicity	:	Category 1A
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1

GHS Label elements, including precautionary statements

Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H314 Causes severe skin burns and eye damage.



ersion .0	Revision Date: 06.04.2024	SDS Number: 6008072-00011	Date of last issue: 30.09.2023 Date of first issue: 05.06.2020
		H360D May da	se an allergic skin reaction. amage the unborn child. ic to aquatic life with long lasting effects.
Preca	utionary statements	Prevention:	
		P202 Do not h and understoo P260 Do not b P264 Wash sk P272 Contami the workplace. P273 Avoid re P280 Wear pro	reathe dust. in thoroughly after handling. nated work clothing should not be allowed out o
		Do NOT induc CENTER/ doc P303 + P361 - immediately al shower. Imme P304 + P340 - and keep com POISON CEN P305 + P351 - water for seve and easy to do CENTER/ doc P308 + P313 I attention. P333 + P313 I vice/ attention.	 P353 + P310 IF ON SKIN (or hair): Take off I contaminated clothing. Rinse skin with water of diately call a POISON CENTER/ doctor. P310 IF INHALED: Remove person to fresh a fortable for breathing. Immediately call a TER/ doctor. P338 + P310 IF IN EYES: Rinse cautiously with ral minutes. Remove contact lenses, if present b. Continue rinsing. Immediately call a POISON tor. F exposed or concerned: Get medical advice/ f skin irritation or rash occurs: Get medical ad- Take off contaminated clothing and wash it before
		Storage: P405 Store loc	ked un
		Disposal:	of contents/ container to an approved waste

May form explosive dust-air mixture during processing, handling or other means.

Section 3: Composition/information on ingredients

Substance / Mixture



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Components

Chemical name	CAS-No.	Concentration (% w/w)
oxytetracycline	79-57-2	>= 70 -< 90

Section 4: First-aid measures

General advice	: In the case of accident or if you feel unwell, seek medical ac vice immediately.
	When symptoms persist or in all cases of doubt seek medica advice.
If inhaled	: If inhaled, remove to fresh air.
	If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
	Get medical attention immediately.
In case of skin contact	 In case of contact, immediately flush skin with plenty of wate for at least 15 minutes while removing contaminated clothing and shoes.
	Get medical attention immediately.
	Wash clothing before reuse.
	Thoroughly clean shoes before reuse.
In case of eye contact	 In case of contact, immediately flush eyes with plenty of wat for at least 15 minutes.
	If easy to do, remove contact lens, if worn.
	Get medical attention immediately.
If swallowed	: If swallowed, DO NOT induce vomiting.
	If vomiting occurs have person lean forward.
	Call a physician or poison control centre immediately. Rinse mouth thoroughly with water.
	Never give anything by mouth to an unconscious person.
Most important symptoms	s and effects, both acute and delayed
Risks	: May cause an allergic skin reaction.
	Causes serious eye damage.
	May damage the unborn child.
	Causes severe burns. Causes digestive tract burns.
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).
Indication of any immedia	te medical attention and special treatment needed
Treatment	: Treat symptomatically and supportively.

Extinguishing media

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2)
		Carbon dioxide (CO2)



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	nsuita iedia	ble extinguishing	:	Dry chemical None known.	
S	pecial	hazards arising fron	n th	e substance or m	ixture
S		hazards during fire-	:	Avoid generating concentrations, a potential dust exp	dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a
	azardo cts	ous combustion prod-	:	Carbon oxides	
S	pecial	protective actions for	or fi	re-fighters	
fo Sj	or firefi	protective equipment ghters extinguishing meth-	:	Use personal pro Use extinguishing cumstances and t Use water spray t	e, wear self-contained breathing apparatus. tective equipment. g 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
Sectio	on 6: A	Accidental release me	as	ures	
		ecautions, protective al precautions	eq :	Use personal pro Follow safe hand	ergency procedures tective equipment. Ing advice (see section 7) and personal pro- t recommendations (see section 8).
		ntal precautions mental precautions	:	Retain and dispos	akage or spillage if safe to do so. se of contaminated wash water. should be advised if significant spillages
		d materials for conta s for cleaning up	inn :	Sweep up or vacu tainer for disposa Avoid dispersal of with compressed Dust deposits sho es, as these may leased into the att Local or national posal of this mate employed in the of mine which regula Sections 13 and	um up spillage and collect in suitable con- l. f dust in the air (i.e., clearing dust surfaces



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Section 7: Handling and storage

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. Do not get in eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment 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. Take care to prevent spills, waste and minimize release to the
Hygiene measures :	 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated 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, in	cluding any incompatibilities
Conditions for safe storage :	Keep in properly labelled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations.
Materials to avoid :	Do not store with the following product types: Self-reactive substances and mixtures Organic peroxides Oxidizing agents Explosives



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Section 8: Exposure controls/personal protection

Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of	Control parame- ters / Permissible	Basis	
-		exposure)	concentration		
oxytetracycline	79-57-2	TWA	500 µg/m3 (OEB	Internal	
5 5			2)		
	Further inforn	nation: DSEN			
		Wipe limit	100 µg/100 cm ²	Internal	
Appropriate engineering control measures	compound. All engineeri design and c	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.			
Individual protection measur	res, such as per	sonal protective	e equipment (PPE)		
Eye/face protection	If the work end mists or aero Wear a faces	nvironment or ac psols, wear the a shield or other fu	e shields or goggles. tivity involves dusty c ppropriate goggles. Il face protection if the the face with dusts, m	ere is a	
Skin protection	: Work uniforn	n or laboratory co	oat.		
Respiratory protection	: If adequate I	ocal exhaust ver	ntilation is not availables exposures outside		

		ommended guidelines, use respiratory protection.
Filter type	:	Particulates type
Hand protection		
Material	:	Chemical-resistant gloves

Section 9: Physical and chemical properties

Appearance	:	powder
Colour	:	light yellow
Odour	:	No data available
Odour Threshold	:	No data available
рН	:	1.5 - 3.0
Melting point/freezing point	:	No data available
Initial boiling point and boiling	:	No data available



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ran	ge			
Flas	sh point	:	Not applicable	
Eva	poration rate	:	Not applicable	
Flar	nmability (solid, gas)	:	May form explosi dling or other me	ive dust-air mixture during processing, han- ans.
Flar	mmability (liquids)	:	Not applicable	
Upp flam	per explosion limit / Upper nmability limit	:	No data available	9
	ver explosion limit / Lower nmability limit	:	No data available	9
Vap	oour pressure	:	Not applicable	
Rel	ative vapour density	:	Not applicable	
Rel	ative density	:	No data available	9
Der	nsity	:	No data available	9
	ubility(ies) Water solubility	:	No data available	
	tition coefficient: n- anol/water	:	No data available	9
	o-ignition temperature	:	No data available	9
Dec	composition temperature	:	No data available	9
	cosity Viscosity, kinematic	:	Not applicable	
Exp	losive properties	:	Not explosive	
Oxi	dizing properties	:	The substance o	r mixture is not classified as oxidizing.
Mol	ecular weight	:	No data available	9
	ticle characteristics ticle size	:	No data available	9

Section 10: Stability and reactivity

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under normal conditions.





Possibility of hazardous reactions : May form explosive dust-air mixture during processing, for ding or other means. Can react with strong oxidizing agents. Can react with strong oxidizing agents. Can react with strong oxidizing agents. Can compatible materials :: : Can react with strong oxidizing agents. Can react with strong oxidizing agents. Can compatible materials :: : : Avoid dust formation. Compatible materials :: :	/ersion .0	Revision Date: 06.04.2024		S Number: 8072-00011	Date of last issue: 30.09.2023 Date of first issue: 05.06.2020
Avoid dust formation. Incompatible materials : Oxidizing agents Hazardous decomposition products are known. products Section 11: Toxicological information Information on likely routes of : Inhalation exposure :: Skin contact Ingestion Eye contact Acute toxicity Not classified based on available information. Components: oxytetracycline: Acute oral toxicity : LD50 (Rat): 4,800 mg/kg Remarks: Evidence of phototoxicity was observed Acute inhalation toxicity : Remarks: No data available Acute dermal toxicity : Remarks: No data available Acute dermal toxicity : Remarks: No data available Acute toxicity (other routes of administration) : LD50 (Rat): 4,840 mg/kg Application Route: Intramuscular LD50 (Mouse): 3,500 mg/kg Application Route: Subcutaneous Skin corrosion/irritation Causes severe burns. Components: oxytetracycline: Remarks : No data available	tions		:	dling or other me Can react with st	eans. trong oxidizing agents.
Information on likely routes of free posure Skin contact Ingestion Eye contact Skin contact Ingestion Eye contact Acute toxicity Not classified based on available information. Components: oxytetracycline: Acute inhalation toxicity free LD50 (Rat): 4,800 mg/kg Acute oral toxicity free Remarks: No data available Acute dermal toxicity free Remarks: No data available Acute dermal toxicity free Remarks: No data available Acute toxicity (other routes of free routes of free routes of photocoxicity (other routes of free routes of free routes of Application Route: Intramuscular Acute toxicity (other routes of free routes of free routes of Application Route: Subcutaneous Skin corrosion/irritation Causes severe burns. Components: oxytetracycline: exemarks	Incom Hazar	patible materials dous decomposition	:	Avoid dust forma Oxidizing agents	ation.
exposureSkin contact Ingestion Eye contactAcute toxicityNot classified based on available information.Components: oxytetracycline:LD50 (Rat): 4,800 mg/kg LD50 (Mouse): 2,240 mg/kg Remarks: Evidence of phototoxicity was observedAcute oral toxicity:LD50 (Mouse): 2,240 mg/kg Remarks: Evidence of phototoxicity was observedAcute inhalation toxicity:Remarks: No data availableAcute dermal toxicity:Remarks: No data availableAcute toxicity (other routes of administration)LD50 (Rat): 4,840 mg/kg Application Route: Intramuscular LD50 (Mouse): 3,500 mg/kg Application Route: SubcutaneousSkin corrosion/irritation Causes severe burns.LD50 (Mouse): 3,500 mg/kg Application Route: SubcutaneousSkin corrosion/irritation Causes severe burns.Kin corrosion i i i i i i i i i i i i i i i i i i	Section 11	I: Toxicological inform	atio	n	
Not classified based on available information. Components: oxytetracycline: Acute oral toxicity : LD50 (Rat): 4,800 mg/kg LD50 (Mouse): 2,240 mg/kg Remarks: Evidence of phototoxicity was observed Acute inhalation toxicity : Remarks: No data available Acute dermal toxicity : Remarks: No data available Acute toxicity (other routes of administration) : LD50 (Mouse): 3,500 mg/kg Application Route: Subcutaneous Skin corrosion/irritation Causes severe burns. Components: oxytetracycline: Remarks : Remarks : Remarks : Not data available				Skin contact Ingestion	
oxytetracycline:LD50 (Rat): 4,800 mg/kgAcute oral toxicity:LD50 (Mouse): 2,240 mg/kgLD50 (Mouse): 2,240 mg/kgAcute inhalation toxicity:Acute dermal toxicity:Acute dermal toxicity:Acute toxicity (other routes of administration):LD50 (Rat): 4,840 mg/kgAcute toxicity (other routes of administration):LD50 (Mouse): 3,500 mg/kgApplication Route: IntramuscularLD50 (Mouse): 3,500 mg/kgApplication Route: SubcutaneousSkin corrosion/irritationCauses severe burns.Components:oxytetracycline:Remarks:No data available		-	ble i	nformation.	
Acute oral toxicity:LD50 (Rat): 4,800 mg/kg LD50 (Mouse): 2,240 mg/kg Remarks: Evidence of phototoxicity was observedAcute inhalation toxicity:Remarks: No data availableAcute dermal toxicity:Remarks: No data availableAcute toxicity (other routes of administration):LD50 (Rat): 4,840 mg/kg Application Route: Intramuscular LD50 (Mouse): 3,500 mg/kg Application Route: SubcutaneousSkin corrosion/irritation Causes severe burns.:No data availableAcute toxicity:No data available	<u>Comp</u>	oonents:			
Remarks: Evidence of phototoxicity was observedAcute inhalation toxicity:Acute dermal toxicity:Acute dermal toxicity:Acute toxicity (other routes of administration):LD50 (Rat): 4,840 mg/kg Application Route: Intramuscular LD50 (Mouse): 3,500 mg/kg Application Route: SubcutaneousSkin corrosion/irritation Causes severe burns.Components: oxytetracycline: Remarks:No data available		-			
Acute dermal toxicity:Remarks: No data availableAcute toxicity (other routes of administration):LD50 (Rat): 4,840 mg/kg Application Route: IntramuscularLD50 (Mouse): 3,500 mg/kg Application Route: Subcutaneous:Skin corrosion/irritation Causes severe burns.:Components: oxytetracycline: Remarks:No data available					
Acute toxicity (other routes of administration):LD50 (Rat): 4,840 mg/kg Application Route: Intramuscular LD50 (Mouse): 3,500 mg/kg Application Route: SubcutaneousSkin corrosion/irritation Causes severe burns.:Components: oxytetracycline: Remarks:No data available	Acute	inhalation toxicity	:	Remarks: No data	a available
administration) Application Route: Intramuscular LD50 (Mouse): 3,500 mg/kg Application Route: Subcutaneous Skin corrosion/irritation Causes severe burns. Components: oxytetracycline: Remarks : No data available	Acute	dermal toxicity	:	Remarks: No data	a available
Application Route: Subcutaneous Skin corrosion/irritation Causes severe burns. Components: oxytetracycline: Remarks : No data available					
Causes severe burns. Components: oxytetracycline: Remarks : No data available					
oxytetracycline: Remarks : No data available	Cause	es severe burns.			
Remarks : No data available					
Serious eve damage/eye irritation	-	•	:	No data available	
Causes serious eye damage.			tatio	n	
Components:		, ,			
oxytetracycline: Remarks : No data available	-	•	:	No data available	



rsion)	Revision Date: 06.04.2024		umber: 72-00011	Date of last issue: 30.09.2023 Date of first issue: 05.06.2020
Resp	iratory or skin sens	tisation		
	sensitisation cause an allergic skin	reaction.		
-	iratory sensitisation assified based on av		rmation.	
Com	oonents:			
oxyte	etracycline:			
Test Resul			man repeat nsitiser	insult patch test (HRIPT)
	cell mutagenicity lassified based on av	ailable info	rmation	
	ponents:		indion.	
oxyte	tracycline:			
Geno	toxicity in vitro		st Type: Mic sult: negativ	robial mutagenesis assay (Ames test) /e
		Me	st Type: Mo tabolic activ sult: positive	use Lymphoma /ation: Metabolic activation e
		Te		er chromatid exchange assay Chinese hamster ovary cells cal
			st Type: Chi sult: negativ	romosomal aberration /e
Geno	toxicity in vivo	Sp Ce Ap	st Type: Mic ecies: Mous Il type: Bone plication Ro sult: equivo	e marrow ute: Oral
		Sp Ap	st Type: in v ecies: Mous plication Ro sult: negativ	e ute: Intraperitoneal injection
	cell mutagenicity -		eight of evid I mutagen.	ence does not support classification as a ge

Carcinogenicity

Not classified based on available information.



ersion .0	Revision Date: 06.04.2024	SDS Number: 6008072-00011	Date of last issue: 30.09.2023 Date of first issue: 05.06.2020
oxyte Speci Applic Expos Resul Speci Applic Expos	cation Route sure time It es cation Route sure time	: Mouse : Oral : 104 weeks : negative : Rat : Oral : 103 weeks	
Resul Targe Rema	et Organs		, Pituitary gland m or mode of action may not be relevant in hu-
ment	nogenicity - Assess- oductive toxicity	: Weight of evid cinogen	ence does not support classification as a car-
Com	damage the unborn chi	ld.	
	etracycline: is on fertility	Species: Rat Application Ro Fertility: NOAE Result: No effe	o-generation reproduction toxicity study oute: Oral EL: 18 mg/kg body weight ects on fertility, No effect on reproduction capac ant adverse effects were reported
Effect	s on foetal develop-	Species: Rat Application Ro Embryo-foetal Result: Postim Test Type: Em Species: Rat Application Ro General Toxic Embryo-foetal Result: No tera Remarks: Mat	toxicity: LOAEL: 48 mg/kg body weight aplantation loss., Skeletal malformations abryo-foetal development oute: Oral ity Maternal: LOAEL: 1,200 mg/kg body weight toxicity: NOAEL: 1,500 mg/kg body weight atogenic effects ernal toxicity observed. abryo-foetal development se
		General Toxic Embryo-foetal	oute: Oral ity Maternal: LOAEL: 1,325 mg/kg body weight toxicity: NOAEL: 2,100 mg/kg body weight atogenic effects



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П		Remarks: Mate	ernal toxicity observed.
			bryo-foetal development
		Species: Rabb Application Ro	ute: Intramuscular
		Embryo-foetal	toxicity: LOAEL: 41.5 mg/kg body weight plantation loss., No foetal abnormalities
			bryo-foetal development
		Embryo-foetal	ute: Intramuscular toxicity: LOAEL: 20.75 mg/kg body weight al and visceral variations, Postimplantation loss.
Repr	oductive toxicity - As- ment		nce of adverse effects on development from niological studies.
STO	T - single exposure		
Not c	lassified based on avai	lable information.	
STO	T - repeated exposure	•	
Not c	lassified based on avail	lable information.	
Repe	eated dose toxicity		
<u>Com</u>	ponents:		
oxyte	etracycline:		
Spec		: Rat	
LOA	=L cation Route	: 198 mg/kg : Oral	
	sure time	: 13 Weeks	
Targe	et Organs	: Bone	
Rema	arks	: No significant a	adverse effects were reported
Spec		: Mouse	
LOAE		: 7,990 mg/kg	
	cation Route	: Oral	
	sure time et Organs	: 13 Weeks : Bone	
Rema			adverse effects were reported
Spec	ios	: Dog	
NOA		: 125 mg/kg	
LOA		: 250 mg/kg	
	cation Route	: Oral	
Expo	sure time	: 12 Months	
Targe Rema	et Organs	: Testis : Significant toxi	city observed in testing
		. Significant toxi	city observed in testing
Spec		: Rat	
NOA		: 40 mg/kg	
LOAE	= L	: 100 mg/kg	
		11 / 1	5



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Exp	lication Route osure time get Organs	:	Intraperitoneal 14 Days Kidney	
Not	iration toxicity classified based on availa erience with human exp			
-	nponents:	030		
oxy	tetracycline: estion	:	Symptoms: Gastr Remarks: May ca	ointestinal disturbance, tooth discoloration use birth defects.
Section	12: Ecological information	on		
Тох	icity			
	<u>ponents:</u>			
	tetracycline:			
-	city to fish	:	LC50 (Oryzias lat Exposure time: 96 Method: OECD Te	
	city to daphnia and other atic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
			EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
Toxi plan	city to algae/aquatic ts	:	EC50 (Anabaena) Exposure time: 72	
			NOEC (Anabaena Exposure time: 72	
	actor (Acute aquatic tox-	:	10	
	actor (Chronic aquatic	:	10	
toxic Toxi	city to microorganisms	:	EC50: 17.9 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te	ation inhibition
			NOEC: 0.2 mg/l Exposure time: 3	h



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				spiration inhibition 9 Test Guideline 209
	stence and degradab	oility		
	ccumulative potential ata available	I		
	lity in soil ata available			
	r adverse effects ata available			
ection 1	3: Disposal considera	ation	S	
Dispo	osal methods			
Wast	e from residues	:		of waste into sewer. ccordance with local regulations.
Conta	aminated packaging	:	Empty contained dling site for re	ers should be taken to an approved waste han cycling or disposal. e specified: Dispose of as unused product.
ection 1	4: Transport informat	tion		
Interi	national Regulations			
	TDG umber roper shipping name	:		

UN number		UN 3077
UN proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
		(oxytetracycline)
Transport hazard class(es)	:	9
Packing group	:	
Labels		9
Environmental hazards	:	yes
IATA-DGR		
UN/ID No.	:	UN 3077
UN proper shipping name	:	Environmentally hazardous substance, solid, n.o.s. (oxytetracycline)
Transport hazard class(es)	:	9
Packing group	:	
Labels	÷	Miscellaneous
Packing instruction (cargo	÷	956
aircraft)	•	
Packing instruction (passen-	:	956
ger aircraft)		
Environmentally hazardous	:	yes
IMDG-Code		
UN number	:	UN 3077





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Prope	Proper shipping name		: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (oxytetracycline)					
Trans	Transport hazard class(es)		9					
Packi	Packing group		III					
Label	Labels		9					
EmS	EmS Code		F-A, S-F					
Marin	Marine pollutant		yes					
Transport in bulk according to IMO instruments Not applicable for product as supplied.								

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.

Section 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations.
Environmental Protection and Management Act and : Not applicable
Environmental Protection and Management (Hazard-ous Substances) Regulations
Fire Safety (Petroleum and Flammable Materials) : Not applicable
Regulations

The components of this product are re	ported in the following inventories:
---------------------------------------	--------------------------------------

DSL	: not determined
AICS	: not determined
IECSC	: not determined

Section 16: Other information

Revision Date	:	06.04.2024
Further information 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 Agen- cy, http://echa.europa.eu/

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



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Date format : dd.mm.yyyy

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

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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