

Version 6.0	Revision Date: 06.07.2024	-	S Number: 776-00022	Date of last issue: 06.04.2024 Date of first issue: 06.11.2014
Section [,]	1: Identification			
Proc	duct identifier	:	Posaconazole Su	uspension Formulation
Reco	ommended use of the ch ommended use trictions on use	nem : :	ical and restrictic Pharmaceutical Not applicable	ons on use
	ufacturer or supplier's d	letai :	ils MSD	
Addı	ress	:	50 Tuas West Dr Singapore - Sing	
Tele	phone	:	+1-908-740-4000)
Eme	ergency telephone number	• :	65 6697 2111 (24	4/7/365)
E-ma	ail address	:	EHSDATASTEW	ARD@msd.com
Section 2	2: Hazard identification			
Clas	sification of the substar	nce	or mixture	
Rep	roductive toxicity	:	Category 2	
	cific target organ toxicity - ated exposure (Oral)	:		nal gland, Bone marrow, Kidney, Liver, Nerv- roductive organs)
	Long-term (chronic) aquatic hazard		Category 2	
	5 Label elements, includ i ard pictograms	ing :	precautionary sta	itements
Sign	al word	:	Warning	V
Haza	Hazard statements		H361d Suspecte	d of damaging the unborn child.



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		P202 Do not h and understoo P260 Do not b P273 Avoid rel P280 Wear pro	pecial instructions before use. andle until all safety precautions have been read d. reathe mist or vapours. ease to the environment. otective gloves/ protective clothing/ eye protec- ection/ hearing protection.
		Response: P308 + P313 II attention. P391 Collect s	F exposed or concerned: Get medical advice/ pillage.
		Storage: P405 Store loc	ked up.
		Disposal:	

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

Section 3: Composition/information on ingredients

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Glycerine	56-81-5	>= 10 -< 20
Posaconazole	171228-49-2	>= 3 -< 10
Titanium dioxide	13463-67-7	>= 0.1 -< 1

Section 4: First-aid measures

Description of necessary fi	rst-aid measures
General advice	 In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	: If inhaled, remove to fresh air.
	Get medical attention.
In case of skin contact	: In case of contact, immediately flush skin with soap and plenty of water.
	Remove contaminated clothing and shoes.
	Get medical attention.
	Wash clothing before reuse.
	Thoroughly clean shoes before reuse.
In case of eye contact	: Flush eyes with water as a precaution.
If swallowed	Get medical attention if irritation develops and persists. If swallowed, DO NOT induce vomiting.
II Swalloweu	



ersion D	Revision Date: 06.07.2024	SDS Number: 28776-00022	Date of last issue: 06.04.2024 Date of first issue: 06.11.2014			
		Get medical at Rinse mouth t	ttention. horoughly with water.			
Most	important symptoms a	and effects, both a	cute and delayed			
Risks	ction of first-aiders	May cause da exposure if sw : First Aid respo	onders should pay attention to self-protection,			
		when the pote	and use the recommended personal protective equipment when the potential for exposure exists (see section 8).			
	-		and special treatment needed			
Treatr	nont	: Treat sympton	natically and supportively.			
	Fire-fighting measure	· ·				
ection 5: Exting		· ·	ant foam			
Exting Suitab	Fire-fighting measure puishing media ble extinguishing media table extinguishing	: Water spray Alcohol-resista	ant foam			
Exting Suitat	Fire-fighting measure guishing media ble extinguishing media table extinguishing	: Water spray Alcohol-resista Carbon dioxide Dry chemical : None known.	ant foam e (CO2)			
Exting Suitat Unsui media Speci	Fire-fighting measure guishing media ble extinguishing media table extinguishing dal hazards arising from fic hazards during fire-	: Water spray Alcohol-resista Carbon dioxide Dry chemical : None known.	ant foam e (CO2) r mixture			
Exting Suitat Unsui media Speci fightin	Fire-fighting measure guishing media ble extinguishing media table extinguishing dal hazards arising from fic hazards during fire-	 Water spray Alcohol-resista Carbon dioxide Dry chemical None known. m the substance o Exposure to compare to comp	ant foam e (CO2) r mixture ombustion products may be a hazard to health			
Exting Suitat Unsui media Speci fightin Hazar ucts	Fire-fighting measure guishing media ble extinguishing media table extinguishing dal hazards arising from fic hazards during fire-	 Water spray Alcohol-resista Carbon dioxide Dry chemical None known. m the substance o Exposure to co Carbon oxides 	ant foam e (CO2) r mixture ombustion products may be a hazard to health			
Exting Suitat Unsui media Speci fightin Hazar ucts Speci Speci for fire	Fire-fighting measure puishing media ble extinguishing media table extinguishing al hazards arising from fic hazards during fire- ig dous combustion prod-	 Water spray Alcohol-resista Carbon dioxide Dry chemical None known. none known. the substance o Exposure to co Carbon oxides or fire-fighters In the event of Use personal persona	ant foam e (CO2) r mixture ombustion products may be a hazard to health			

cisonal predations, protective equipment and emergency probedures			
Personal precautions	:	Use personal protective equipment.	
		Follow safe handling advice (see section 7) and personal pro-	
		tective equipment recommendations (see section 8).	



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Environm	ental precautions		
Enviro	onmental precautions	Prevent furthe Prevent sprea barriers). Retain and dis	to the environment. er leakage or spillage if safe to do so. Iding over a wide area (e.g. by containment or oil spose of contaminated wash water. ies should be advised if significant spillages itained.
Methods a	and materials for cont	ainment and clean	ing up
	ods for cleaning up	: Soak up with For large spill ment to keep be pumped, s Clean up rem bent. Local or natio posal of this n employed in t mine which re Sections 13 a	inert absorbent material. s, provide dyking or other appropriate contain- material from spreading. If dyked material can tore recovered material in appropriate container. aining materials from spill with suitable absor- nal regulations may apply to releases and dis- naterial, as well as those materials and items he cleanup of releases. You will need to deter- egulations are applicable. nd 15 of this SDS provide information regarding or national requirements.

Section 7: Handling and storage

Precautions for safe 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 breathe mist or vapours.
_	Do not swallow.
	Avoid contact with eyes.
	Avoid prolonged or repeated contact with skin.
	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
	Do not eat, drink or smoke when using this product.
	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 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.



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Conditions for safe storage, including any incompatibilities

Conditions for safe storage	:	Keep in properly labelled containers. Store locked up. Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types: Strong oxidizing agents

Section 8: Exposure controls/personal protection

Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Glycerine	56-81-5	PEL (long term) (Mist)	10 mg/m3	SG OEL
Posaconazole	171228-49-2	TWA	300 µg/m3 (OEB 2)	Internal
Titanium dioxide	13463-67-7	PEL (long term)	10 mg/m3	SG OEL

Appropriate engineering control measures	:	Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip- less 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. Laboratory operations do not require special containment.
Individual protection measur	res	s, such as personal protective equipment (PPE)
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 protection	:	Work uniform or laboratory coat.
Respiratory protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.
Filter type Hand protection	:	Combined particulates and organic vapour type
Material	:	Chemical-resistant gloves

Section 9: Physical and chemical properties

Appearance

: suspension



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Colo	bur	:	white	
Odo	pur	:	No data available	
Odo	our Threshold	:	No data available	9
pН		:	4.2 - 4.8	
Melt	ing point/freezing point	:	No data available	9
Initia rang	al boiling point and boiling ge	:	No data available	
Flas	h point	:	No data available)
Eva	poration rate	:	No data available)
Flan	nmability (solid, gas)	:	Not applicable	
Flan	nmability (liquids)	:	No data available)
	er explosion limit / Upper mability limit	:	No data available	
	er explosion limit / Lower mability limit	:	No data available	
Vap	our pressure	:	No data available)
Rela	ative vapour density	:	No data available)
Rela	ative density	:	No data available)
Den	sity	:	1 g/cm ³	
	ıbility(ies) Vater solubility	:	soluble	
	ition coefficient: n- nol/water	:	Not applicable	
	p-ignition temperature	:	No data available)
Dec	omposition temperature	:	No data available)
	cosity /iscosity, kinematic	:	No data available	9
Exp	losive properties	:	Not explosive	
Oxic	dizing properties	:	The substance o	mixture is not classified as oxidizing.



/ersior 5.0	n Revision Date: 06.07.2024		S Number: 76-00022	Date of last issue: 06.04.2024 Date of first issue: 06.11.2014
Mo	blecular weight	:	No data availabl	e
	Particle characteristics Particle size		Not applicable	
Sectio	n 10: Stability and reactivi	ity		
Ch Po tio Co Ino Ha	eactivity nemical stability ossibility of hazardous reac- ns onditions to avoid compatible materials uzardous decomposition oducts	:	Stable under no Can react with s None known. Oxidizing agents	trong oxidizing agents.
Inf	n 11: Toxicological inform ormation on likely routes of posure		n Inhalation Skin contact Ingestion Eye contact	
No	ute toxicity ot classified based on availa omponents:	ıble i	nformation.	
	ycerine:			
Ac	ute oral toxicity	:	LD50 (Rat): > 5,0	000 mg/kg
Ac	ute dermal toxicity	:	LD50 (Guinea pi	g): > 5,000 mg/kg
Po	esaconazole:			
Ac	ute oral toxicity	:	LD50 (Rat): > 5,0	000 mg/kg
			LD50 (Mouse): >	3,000 mg/kg
Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg		000 mg/kg		
	anium dioxide: aute oral toxicity	:	LD50 (Rat): > 5,0	000 mg/kg
Ac	Acute oral toxicity Acute inhalation toxicity		LC50 (Rat): > 6.8 Exposure time: 4 Test atmosphere Assessment: The tion toxicity	h



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Skin	corrosion/irritation			
-	assified based on av	ailable	information.	
Com	oonents:			
Glyce				
Speci			Rabbit	
Resu		:	No skin irritation	
Posa	conazole:			
Speci		:	Rabbit	
Resu	lt	:	No skin irritation	
	ium dioxide:			
Speci		:	Rabbit	
Resu	I	÷	No skin irritation	
Serio	us eye damage/eye	irritati	on	
	lassified based on av			
<u>Com</u>	oonents:			
Glyce	erine:			
Speci		:	Rabbit	
Resu	It	-	No eye irritation	
Posa	conazole:			
Speci		:	Rabbit	
Resu	It	:	Mild eye irritation	
Titan	ium dioxide:			
Speci		:	Rabbit	
Resu	IT	:	No eye irritation	
Resp	iratory or skin sens	itisatio	on	
-	sensitisation			
Not c	assified based on av	ailable	information.	
_	iratory sensitisatior			
-		ailable	information.	
-	assified based on av			
Not c	assified based on av ponents:			
Not cl <u>Com</u> Posa	oonents: conazole:			
Not cl <u>Comp</u> Posa Test	oonents: conazole:	÷	Magnusson-Klign Skin contact	nan-Test

. Result



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Tes Exp	nium dioxide: t Type osure routes cies sult	: :	Local lymph node Skin contact Mouse negative	assay (LLNA)
Not	m cell mutagenicity classified based on avai	lable	information.	
Cor	nponents:			
-	cerine: notoxicity in vitro	:	Test Type: In vitro Result: negative	o mammalian cell gene mutation test
			Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)
			Test Type: Chron Result: negative	nosome aberration test in vitro
			Test Type: DNA o thesis in mammal Result: negative	lamage and repair, unscheduled DNA syn- ian cells (in vitro)
Pos	aconazole:			
	notoxicity in vitro	:	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)
			Test Type: Chron Result: negative	nosomal aberration
Ger	notoxicity in vivo	:	Test Type: Micror Species: Mouse Cell type: Bone m Application Route Result: negative	arrow
Tita	nium dioxide:			
	notoxicity in vitro	:	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)
Ger	notoxicity in vivo	:	Test Type: In vivo Species: Mouse Result: negative	nicronucleus test

Carcinogenicity

Not classified based on available information.



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Comr	oonents:		
Glyce			
Speci		: Rat	
	cation Route	: Ingestion : 2 Years	
Resul	sure time t	: negative	
Posa	conazole:		
Speci		: Rat	
	cation Route	: oral (feed)	
Expos	sure time	: 2 Years	
Resul		: positive	
Rema	irks	: The mechan	ism or mode of action is not relevant in human
Speci		: Mouse	
	ation Route	: Oral	
	sure time	: 2 Years	
Resul Rema		: positive	ism or mode of action is not relevant in human
Reina	1185	. The mechan	
Titani	ium dioxide:		
Speci		: Rat	
	cation Route		ust/mist/fume)
Expos	sure time	: 2 Years	Guideline 453
Resul		: positive	Suidenne 455
Rema			ism or mode of action may not be relevant in h
		mans.	,
Carcii ment	nogenicity - Assess-	: Limited evide animals.	ence of carcinogenicity in inhalation studies wit
Repro	oductive toxicity		
Suspe	ected of damaging the	e unborn child.	
<u>Comp</u>	oonents:		
Glyce			
Effect	s on fertility	Species: Rat	
		Application F Result: nega	Route: Ingestion tive
	s on foetal develop-		mbryo-foetal development
mont		Species: Rat	
ment		∧) autor la grantian
ment		Application F Result: nega	Route: Ingestion

Posaconazole:



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Effect	ts on fertility	() ()	Species: Rat, ma General Toxicity	ry/early embryonic development le - Parent: NOAEL: 180 mg/kg body weight fects on mating performance
		() ()	Species: Rat, fem General Toxicity	y/early embryonic development hale - Parent: NOAEL: 45 mg/kg body weight fects on mating performance
Effect ment	ts on foetal develop-	S / [Species: Rat, fem Application Route Developmental T	
		5 [Species: Rabbit,	oxicity: LOAEL: 40 mg/kg body weight
Repro sessn	oductive toxicity - As- nent		Some evidence c animal experimer	f adverse effects on development, based on nts.
	- single exposure lassified based on avai	lable in	formation.	

STOT - repeated exposure

May cause damage to organs (Adrenal gland, Bone marrow, Kidney, Liver, Nervous system, Reproductive organs) through prolonged or repeated exposure if swallowed.

Components:

Posaconazole:

Exposure routes	:	Ingestion
Target Organs	:	Adrenal gland, Bone marrow, Kidney, Liver, Reproductive
		organs, Nervous system
Assessment	:	Causes damage to organs through prolonged or repeated
		exposure.

Repeated dose toxicity

Components:

Glycerine:

Species	:	Rat
NOAEL	:	0.167 mg/l
LOAEL	:	0.622 mg/l
Application Route	:	inhalation (dust/mist/fume)
Exposure time	:	13 Weeks



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Expo Spec NOA Appli	EL cation Route sure time	: Rat : 8,000 - 10,000 : Ingestion : 2 yr : Rabbit : 5,040 mg/kg : Skin contact : 45 Weeks	mg/kg
Spec LOAI Appli Expo		: Rat, female : 5 mg/kg : Oral : 6 Months : Adrenal gland,	Lungs, Heart, Liver, spleen, Kidney, Ovary
Expo		: Dog : 3 mg/kg : Oral : 392 Days : Lungs, Liver, E cord, lymphoic	Brain, small intestine, Adrenal gland, Spinal I tissue
Expo		: Monkey : 15 mg/kg : Oral : 1 Months : Bone marrow,	Adrenal gland, Lymph nodes, Blood
Expo			Bone marrow, Kidney, Nervous system, s gland, Testis, lymphoid tissue
Expo		: Monkey : 180 mg/kg : Oral : 12 Months : Blood, Gastroi	ntestinal tract, spleen
Expo		: Monkey : 8 mg/kg : Intravenous : 1 Months : Cardio-vascula	ar system, Lungs, Adrenal gland, Blood

Titanium dioxide:



rsion)			9S Number: 776-00022	Date of last issue: 06.04.2024 Date of first issue: 06.11.2014
		:	Rat 24,000 mg/kg Ingestion 28 Days	
Species NOAEL Application Route Exposure time			Rat 10 mg/m3 inhalation (dust/n 2 yr	nist/fume)
	ation toxicity assified based on availa	bla	information	
	ience with human exp			
<u>Comp</u>	onents:			
Posac Ingesti	onazole: on	:		gh, Headache, Nausea, Vomiting, Fever, Liver uritis, Diarrhoea, hypertension, neutropenia, ance
ction 12	: Ecological information	on		
Toxici	ty			
	onents:			
Glyce Toxicit	r ine: y to fish	:	LC50 (Oncorhyne Exposure time: 9	chus mykiss (rainbow trout)): 54,000 mg/l 6 h
	y to daphnia and other c invertebrates	:	EC50 (Daphnia r Exposure time: 4	nagna (Water flea)): 1,955 mg/l 8 h
Toxicit	y to microorganisms	:	NOEC (Pseudom Exposure time: 1 Method: DIN 38 4	
Posac	onazole:			
Toxicit	y to fish	:	Exposure time: 9 Method: OECD T	chus mykiss (rainbow trout)): > 0.95 mg/l 6 h ēst Guideline 203 icity at the limit of solubility
	y to daphnia and other c invertebrates	:	Exposure time: 4	nagna (Water flea)): 0.276 mg/l 8 h ⁻ est Guideline 202
Toxicit plants	y to algae/aquatic	:	EC50 (Pseudokir 0.509 mg/l	chneriella subcapitata (green algae)): >



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			Exposure time: 7 Method: OECD T	2 h est Guideline 201
			mg/l Exposure time: 72	rchneriella subcapitata (green algae)): 0.041 2 h 'est Guideline 201
M-Fa icity)	ctor (Acute aquatic tox-	:	1	
	ity to fish (Chronic tox-	:	Exposure time: 3	les promelas (fathead minnow)): 0.206 mg/l 3 d est Guideline 210
	ity to daphnia and other tic invertebrates (Chron- icity)	:	Exposure time: 2 Method: OECD T	magna (Water flea)): 0.244 mg/l 1 d est Guideline 211 icity at the limit of solubility
M-Fa	ctor (Chronic aquatic	:	1	
	ity to microorganisms	:	Exposure time: 3 Test Type: Respi	
Titan	ium dioxide:			
Toxic	ity to fish	:	Exposure time: 9	chus mykiss (rainbow trout)): > 100 mg/l 6 h ïest Guideline 203
	ity to daphnia and other tic invertebrates	:	EC50 (Daphnia n Exposure time: 4	nagna (Water flea)): > 100 mg/l 8 h
Toxic plants	ity to algae/aquatic	:	EC50 (Skeletone Exposure time: 7	ma costatum (marine diatom)): > 10,000 mg/l 2 h
Toxic	ity to microorganisms	:	EC50: > 1,000 m Exposure time: 3 Method: OECD T	
Persi	stence and degradabili	ity		
<u>Com</u>	ponents:			
-	erine:			
Biode	gradability	:	Result: Readily b Biodegradation: Exposure time: 3 Method: OECD T	92 %



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Posa	conazole:			
Biode	gradability	:	Biodegradation Exposure time:	
Stability in water		:		alf life (DT50): > 30 d 9 Test Guideline 111
Bioad	cumulative potential			
<u>Comp</u>	oonents:			
	erine: on coefficient: n- ol/water	:	log Pow: -1.75	
Posa	conazole:			
Bioac	cumulation	:	Bioconcentratio	nis macrochirus (Bluegill sunfish) on factor (BCF): 20 9 Test Guideline 305
	on coefficient: n- ol/water	:	log Pow: 4.15	
Mobil	lity in soil			
<u>Comp</u>	oonents:			
Posa	conazole:			
	oution among environ- al compartments	:	log Koc: 5.52	
Other	r adverse effects			
No da	ta available			

Disposal methods	
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.

Section 14: Transport information

International Regulations

UNRTDG		
UN number	:	UN 3082
UN proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,



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			N.O.S. (Posaconazole)	
Trans	sport hazard class(es)	:	9	
	ing group	:		
Labe		:	9	
Envir	onmental hazards	:	yes	
ΙΑΤΑ	-DGR			
UN/IE	D No.	:	UN 3082	
UN p	roper shipping name	:	Environmentally I (Posaconazole)	nazardous substance, liquid, n.o.s.
Trans	sport hazard class(es)	:	9	
	ing group	:	III	
Labe		:	Miscellaneous	
Packi aircra	ing instruction (cargo aft)	:	964	
	ing instruction (passen- ircraft)	:	964	
Ĕnvir	onmentally hazardous	:	yes	
IMDO	G-Code			
UN n	umber	:	UN 3082	
Prope	er shipping name	:	ENVIRONMENT/ N.O.S. (Posaconazole)	ALLY HAZARDOUS SUBSTANCE, LIQUID,
Trans	sport hazard class(es)	:	9	
	ing group	:	III	
Labe		:	9	
EmS	Code	:	F-A, S-F	
Marir	ne pollutant	:	yes	
Trans	sport in bulk according	a to	IMO instruments	
	andiophic for product co	-		

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



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	The components of this product are reported in the following inventories:						
	AICS		:	not determined			
	DSL		:	not determined			
	IECSC		:	not determined			
-	Cootion 40						
	Section 16	: Other information					
	Revisio	on Date	:	06.07.2024			
	Furthe	er information					
		es of key data used to e the Safety Data	:		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 document by two vertical lines.				ous version are highlighted in the body of this			
	Date fo	vrmat		dd mm ywwy			

Date format	:	dd.mm.yyyy
Full text of other abbreviatio	ns	
SG OEL	:	Singapore. Workplace Safety and Health (General Provisions) Regulations - First Schedule Permissible Exposure Limits of Toxic Substances.

SG OEL / PEL (long term) : Permissible Exposure Level (PEL) Long Term

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 Substanc-





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es; (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

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