

according to the Globally Harmonized System

### Albendazole Formulation

Version	Revision Date: 28.09.2024	SDS Number:	Date of last issue: 06.07.2024
9.0		10232223-00016	Date of first issue: 16.11.2021
-			

#### **1. PRODUCT AND COMPANY IDENTIFICATION**

Product name	:	Albendazole Formulation						
<b>Manufacturer or supplier's d</b> e Company	eta :	ils MSD						
Address	:	Briahnager - Off Pune Nagar Road Wagholi - Pune - India 412 207						
Telephone	:	+1-908-740-4000						
Emergency telephone number	:	+1-908-423-6000						
E-mail address	:	EHSDATASTEWARD@msd.com						
Recommended use of the chemical and restrictions on use								
Recommended use Restrictions on use	:	Veterinary product Not applicable						

#### 2. HAZARDS IDENTIFICATION

#### Manufacture, Storage and Import of Hazardous Chemicals Rules 1989

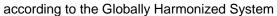
#### Classification

Not classified as hazardous according to criteria laid down in Part I of Schedule-1.

#### **GHS Classification**

Acute toxicity (Oral)	:	Category 5
Skin sensitisation	:	Category 1
Reproductive toxicity	:	Category 2
Specific target organ toxicity - single exposure (Oral)	:	Category 2 (Gastrointestinal tract, Central nervous system)
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Gastrointestinal tract, Central nervous system, Immune system, Liver)
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1

#### **GHS** label elements





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Hazar	d pictograms		!
Signa	l word	: Warning	• •
Hazar	d statements	H317 May caus H361d Suspec H371 May caus Central nervous H373 May caus Central nervous Ionged or repea	harmful if swallowed. se an allergic skin reaction. ted of damaging the unborn child. se damage to organs (Gastrointestinal tract, s system) if swallowed. se damage to organs (Gastrointestinal tract, s system, Immune system, Liver) through pro- ated exposure if swallowed. c to aquatic life with long lasting effects.
Preca	utionary statements	P260 Do not br P264 Wash ha P270 Do not ea P272 Contamir the workplace. P273 Avoid rele	nds thoroughly after handling. at, drink or smoke when using this product. nated work clothing should not be allowed out of ease to the environment. otective gloves/ protective clothing/ eye protec-
		rash occurs: Ge P302 + P352 IF P308 + P316 IF cal help immed	ake off contaminated clothing and wash it befor
		Storage:	
		P405 Store loc	ked up.
		<b>Disposal:</b> P501 Dispose o disposal plant.	of contents/ container to an approved waste

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.

#### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture

: Mixture

Components



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Chemical name	CAS-No.	Concentration (% w/w)
Albendazole Sulfoxide	54029-12-8	>= 50 - < 70
Cellulose	9004-34-6	>= 20 - < 30

#### 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	:	May be harmful if swallowed. May cause an allergic skin reaction. Suspected of damaging the unborn child. May cause damage to organs if swallowed. May cause damage to organs through prolonged or repeated exposure if swallowed. Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation.
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).
Notes to physician	:	Treat symptomatically and supportively.

#### 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire- fighting	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.



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	Hazard ucts	ous combustion prod-	:	Carbon oxides Nitrogen oxides (N Sulphur oxides Metal oxides	NOx)
	Specific extinguishing meth- ods		:	cumstances and t Use water spray to	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
	Special for firefi	protective equipment ighters	:	In the event of fire Use personal prot	e, wear self-contained breathing apparatus. ective equipment.

#### 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. 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	:	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 certain local or national requirements.

### 7. HANDLING AND STORAGE

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	:	Use only with adequate ventilation.
Advice on safe handling	:	
Ū.		Do not breathe dust.
		Do not swallow.
		Avoid contact with eyes.



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		Handle in acco practice, base sessment Minimize dust Keep containe Keep away fro Take precautio Do not eat, dri	roughly after handling. ordance with good industrial hygiene and safety d on the results of the workplace exposure as- generation and accumulation. or closed when not in use. Im heat and sources of ignition. onary measures against static discharges. nk or smoke when using this product. orevent spills, waste and minimize release to the
Condi	tions for safe storage	Store locked u	•
Mater	ials to avoid		dance with the particular national regulations. vith the following product types: ng agents

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type	Control parame-	Basis	
		(Form of	ters / Permissible		
		exposure)	concentration		
Albendazole Sulfoxide	54029-12-8	TWA	45 μg/m3 (OEB 3)	Internal	
	Further inform	Further information: DSEN			
		Wipe limit	100 µg/100 cm2	Internal	
Cellulose	9004-34-6	TWA	10 mg/m3	ACGIH	

Engineering measures :	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 contain- ment devices). Minimize open handling.
Personal protective equipment	

i election piereente equipin		
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	:	Particulates type
Hand protection		
Material	:	Chemical-resistant gloves
		ő
Remarks	:	Consider double gloving.
Evo protoction		Wear safety glasses with side shields or goggles.
Eye protection	•	
		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



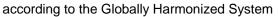
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Skin and body protection		<ul> <li>potential for direct contact to the face with dusts, mists, or aerosols.</li> <li>Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.</li> </ul>				
Hygie	ene measures	: If exposure to c flushing system place. When using do Contaminated v workplace. Wash contamin The effective op engineering cor appropriate deg	hemical is likely during typical use, provide eye s and safety showers close to the working not eat, drink or smoke. vork clothing should not be allowed out of the ated clothing before re-use. beration of a facility should include review of ntrols, proper personal protective equipment, jowning and decontamination procedures, ne monitoring, medical surveillance and the			

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Colour	:	cream
Odour	:	No data available
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	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
Flammability (liquids)	:	Not applicable
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	Not applicable





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Rela	tive vapour density	: Not applicable	e
Rela	tive density	: No data availa	able
Dens	sity	: No data availa	able
	bility(ies) Vater solubility	: No data availa	able
	tion coefficient: n- nol/water	: Not applicable	e
	-ignition temperature	: No data availa	able
Deco	omposition temperature	: No data availa	able
Visc V	osity ′iscosity, kinematic	: Not applicable	e
Expl	osive properties	: Not explosive	
Oxid	izing properties	: The substanc	e or mixture is not classified as oxidizing.
Mole	ecular weight	: No data availa	able
	cle characteristics cle size	: No data availa	able
10. STAE	BILITY AND REACTIVIT	Y	
Dee	- 41 14		an a sectivity because

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation.
Incompatible materials Hazardous decomposition	:	Oxidizing agents No hazardous decomposition products are known.

#### **11. TOXICOLOGICAL INFORMATION**

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

#### Acute toxicity

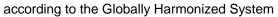
May be harmful if swallowed.

#### Product:

products

Acute oral toxicity

: Acute toxicity estimate: 3,000 mg/kg



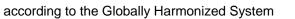


ersion D	Revision Date: 28.09.2024		9S Number: 232223-00016	Date of last issue: 06.07.2024 Date of first issue: 16.11.2021
			Method: Calculation	on method
<u>Comp</u>	oonents:			
	ndazole Sulfoxide:			//
Acute	oral toxicity	•	LD50 (Mouse): 1,	500 mg/kg
			LD50 (Rat): 2,400	mg/kg
	toxicity (other routes of histration)	:	LD50 (Rat): 265 n Application Route	
Cellu	lose:			
Acute	oral toxicity	:	LD50 (Rat): > 5,00	00 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 5.8 Exposure time: 4 Test atmosphere:	h
Acute	dermal toxicity	:	LD50 (Rabbit): > 2	2,000 mg/kg
-		:	Rabbit No skin irritation	
Not cl	us eye damage/eye irri assified based on availa			
	ponents:			
	oonents: ndazole Sulfoxide:			
	ndazole Sulfoxide: es	:	Rabbit No eye irritation	
Alber Speci Resul	ndazole Sulfoxide: es	: : atio	No eye irritation	
Alber Speci Resul	ndazole Sulfoxide: es t	: : atio	No eye irritation	
Alber Speci Resul Respi	ndazole Sulfoxide: es t iratory or skin sensitisa		No eye irritation	
Alber Speci Resul Resp Skin s May c Resp	ndazole Sulfoxide: es t iratory or skin sensitisa sensitisation	actic	No eye irritation n	
Alber Speci Resul Respi Skin s May c Respi Not cl	ndazole Sulfoxide: es t iratory or skin sensitis sensitisation cause an allergic skin rea iratory sensitisation	actic	No eye irritation n	
Alber Speci Resul Respi Skin s May c Respi Not cl <u>Comp</u>	ndazole Sulfoxide: es it iratory or skin sensitisa sensitisation cause an allergic skin rea iratory sensitisation lassified based on availa	actic	No eye irritation n	



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Asse	ssment Ilt		Probability or evid rate in humans positive	dence of low to moderate skin sensitisation	
Test Expo Resu	sure routes	:	Maximisation Tes Dermal Sensitiser	st	
	n cell mutagenicity classified based on ava	ilable i	nformation.		
Com	ponents:				
Albe	ndazole Sulfoxide:				
Geno	otoxicity in vitro		Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)	
				nosomal aberration nese hamster ovary cells	
Geno	otoxicity in vivo		Test Type: Micror Species: Mouse Cell type: Bone m Result: negative		
	llose:				
	otoxicity in vitro		Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)	
			Test Type: In vitro Result: negative	o mammalian cell gene mutation test	
Gend	otoxicity in vivo		Test Type: Mamn cytogenetic assay Species: Mouse Application Route Result: negative		
	<b>inogenicity</b> classified based on ava	ilahla i	oformation		
	ponents:				
	ndazole Sulfoxide:				
Spec		:	Mouse		
Appli	cation Route sure time	:	: Oral : 2 Years		





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Exposure time NOAEL Result	<ul> <li>2 Years</li> <li>20 mg/kg body weight</li> <li>negative</li> </ul>
Carcinogenicity - Assess- ment	: No evidence of carcinogenicity in animal studies.
Cellulose:	
Species Application Route Exposure time Result	<ul> <li>Rat</li> <li>Ingestion</li> <li>72 weeks</li> <li>negative</li> </ul>
<b>Reproductive toxicity</b> Suspected of damaging the u	nborn child.
Components:	
Albendazole Sulfoxide:	
Effects on fertility	: Test Type: Fertility Species: Rat Application Route: Oral Fertility: NOAEL: 30 mg/kg body weight Result: No effects on fertility
Effects on foetal develop- ment	<ul> <li>Test Type: Development Species: Rat Application Route: Oral Developmental Toxicity: LOAEL: 10 mg/kg body weight Result: Embryotoxic effects., Skeletal malformations</li> </ul>
	Test Type: Development Species: Rabbit Application Route: Oral Developmental Toxicity: LOAEL: 30 mg/kg body weight Result: Embryotoxic effects., Skeletal malformations, Materna toxicity observed.
	Test Type: Development Species: Rat Application Route: Oral Developmental Toxicity: NOAEL: 5.8 mg/kg body weight Result: Effects on postnatal development
	Test Type: Development Species: Rat Application Route: Oral Developmental Toxicity: LOAEL: 7 mg/kg body weight Result: Embryotoxic effects and adverse effects on the off- spring were detected.
Reproductive toxicity - As- sessment	: Suspected of damaging the unborn child.
Cellulose:	



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Effec	ts on fertility	: Test Type: One Species: Rat Application Rou Result: negative	•
Effec ment	ts on foetal develop-	: Test Type: Ferti Species: Rat Application Rou Result: negative	•

#### STOT - single exposure

May cause damage to organs (Gastrointestinal tract, Central nervous system) if swallowed.

#### Components:

#### Albendazole Sulfoxide:

Exposure routes Target Organs Assessment	Oral
Target Organs	Gastrointestinal tract, Central nervous system
Assessment	May cause damage to organs.

#### STOT - repeated exposure

May cause damage to organs (Gastrointestinal tract, Central nervous system, Immune system, Liver) through prolonged or repeated exposure if swallowed.

#### **Components:**

#### Albendazole Sulfoxide:

Exposure routes Target Organs	:	Oral Gastrointestinal tract, Central nervous system, Immune sys-
Assessment	:	tem, Liver May cause damage to organs through prolonged or repeated
		exposure.

#### Repeated dose toxicity

#### **Components:**

#### Albendazole Sulfoxide:

Species LOAEL Application Route Exposure time Target Organs Symptoms		Rat 168 mg/kg Oral 4 Weeks Gastrointestinal tract, Testis Diarrhoea, Vomiting
Species LOAEL Application Route Exposure time Target Organs Symptoms		Dog 48 mg/kg Oral 4 Weeks Gastrointestinal tract Diarrhoea, Vomiting
Species	:	Mouse

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Expos	cation Route sure time et Organs	: 40 mg/kg : Oral : 3 Months : Blood, Liver, Nose : Hematologic effects, Liver effects
Expos	EL cation Route sure time et Organs	<ul> <li>Rat</li> <li>&gt;= 30 mg/kg</li> <li>Oral</li> <li>6 Months</li> <li>Blood</li> <li>Hematologic effects</li> </ul>
Expo	EL cation Route sure time et Organs	<ul> <li>Dog</li> <li>40 mg/kg</li> <li>Oral</li> <li>6 Months</li> <li>Blood, Liver</li> <li>Hematologic effects, Liver effects</li> </ul>
Expos	EL cation Route sure time et Organs	<ul> <li>Rat</li> <li>7 mg/kg</li> <li>Oral</li> <li>60 d</li> <li>Liver, Testis</li> <li>Liver effects, male reproductive effects</li> </ul>
	ies	: Rat : >= 9,000 mg/kg : Ingestion : 90 Days
Not c	r <mark>ation toxicity</mark> lassified based on ava <b>rience with human e</b>	
-	ponents:	,poodio
Alber	ndazole Sulfoxide:	
Gene	ral Information	: Symptoms: Allergic reactions, hair loss, Gastrointestinal dis-
Skin o	contact	<ul> <li>turbance, Headache, Dizziness</li> <li>Target Organs: Skin</li> <li>Symptoms: Allergic reactions</li> <li>Remarks: May cause sensitisation by skin contact.</li> </ul>
Inges	tion	<ul> <li>Target Organs: Gastrointestinal tract Symptoms: Gastrointestinal disturbance, Diarrhoea, Ab- dominal pain Target Organs: Central nervous system Symptoms: Headache, Dizziness Target Organs: Liver Symptoms: liver function change</li> </ul>

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			Target Organs: In Symptoms: immu	mmune system une system effects
2. ECOLO	DGICAL INFORMATIO	N		
Ecoto	oxicity			
<u>Comp</u>	oonents:			
Alben	dazole Sulfoxide:			
Toxici	ty to fish	:	EC50 (Brachyda Exposure time: 1	nio rerio (zebrafish)): 0.042 mg/l 44 hrs
	ty to daphnia and other ic invertebrates	:	Exposure time: 4	nagna (Water flea)): 0.068 mg/l 8 h <sup>-</sup> est Guideline 202
Toxici plants	ty to algae/aquatic	:	0.024 mg/l Exposure time: 7	celis subcapitata (freshwater green alga)): 2 h ēst Guideline 201
M-Fac icity)	ctor (Acute aquatic tox-	:	10	
M-Fac toxicit	ctor (Chronic aquatic y)	:	10	
Cellul	lose:			
Toxici	ty to fish	:	Exposure time: 4	tipes (Japanese medaka)): > 100 mg/l 8 h on data from similar materials
II Persi	stence and degradabil	itv		
	ponents:	,		
Cellul				
	gradability	:	Result: Readily b	iodegradable.
Bioac	cumulative potential			
Comp	oonents:			
Alber	dazole Sulfoxide:			
	on coefficient: n- ol/water	:	log Pow: 1.27 pH: 7	
	<b>ity in soil</b> ta available			

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		-				
	r adverse effects ata available					
3. DISPO	DSAL CONSIDERATION	٧S				
Disp	osal methods					
-	e from residues	:		of waste into sewer.		
Contaminated packaging		:	Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste ha dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.			
14. TRAN	SPORT INFORMATION	ł				
Inter	national Regulations					
UNR						
	umber er shipping name	:	UN 3077 ENVIRONMENT	TALLY HAZARDOUS SUBSTANCE, SOLID,		
			N.O.S. (Albendazole S	ulfoxide)		
Class		:	9			
Pack Labe	ing group	÷	 9			
	onmentally hazardous	:	yes			
	-DGR					
UN/II Prope	D No. er shipping name	:		r hazardous substance, solid, n.o.s.		
Class	5	•	(Albendazole S 9	ulloxide)		
	ing group	÷	Ĩ			
Labe	ls	:	Miscellaneous			
aircra		:	956			
ger a	ing instruction (passen- ircraft)	:	956			
Envir	onmentally hazardous	:	yes			
	G-Code					
	lumber	:	UN 3077			
Prope	er shipping name	:	ENVIRONMEN	FALLY HAZARDOUS SUBSTANCE, SOLID,		

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, : N.O.S. (Albendazole Sulfoxide) Class : 9 Packing group : III Labels : 9 F-A, S-F EmS Code : Marine pollutant : yes

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

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#### 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

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

The components of this product are reported in the following inventories:
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AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

#### **16. OTHER INFORMATION**

Revision Date	:	28.09.2024
Further information Sources of key data used to	:	Internal technical data, data from raw material SDSs, OECD
compile the Safety Data Sheet		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.

(TLV)

Date format	:	dd.mm.yyyy
Full text of other abbreviatio	ns	
ACGIH	:	USA. ACGIH Threshold Limit Values
ACGIH / TWA	:	8-hour, time-weighted average

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;

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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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