

according to the Hazardous Products Regulations

Copper Oxide Solid Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 07/06/2024
4.1	09/28/2024	11153935-00008	Date of first issue: 12/20/2022

SECTION 1. IDENTIFICATION

Product name Other means of identification	 Copper Oxide Solid Formulation COOPERS PERMATRACE COPPER 10 CAPSULES FOR CALVES AND ADULT CATTLE (47689) COOPERS PERMATRACE COPPER 20 CAPSULES FOR CATTLE (47688) COOPERS PERMATRACE COPPER CAPSULES FOR ADULT SHEEP & GOATS (47637) 			
Manufacturer or supplier's details				

Decommended use of the chemical and restrictions on use					
E-mail address	:	EHSDATASTEWARD@merck.com			
Emergency telephone		1-908-423-6000			
Telephone	:	908-740-4000			
		Rahway, New Jersey U.S.A. 07065			
Address	:	126 E. Lincoln Avenue			
Company name of supplier	:	Merck & Co., Inc			

Recommended use of the chemical and restrictions on use

Recommended use	:	Veterinary product
Restrictions on use	:	Not applicable

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations Carcinogenicity : Category 2					
Reproductive toxicity	Category 2				
GHS label elements Hazard pictograms					
Signal Word Hazard Statements	Warning H351 Suspected of causing cancer.				
Precautionary Statements	H361d Suspected of damaging the unborn child. Prevention: 2201 Obtain appaired instructions before use				
	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have and understood. P280 Wear protective gloves, protective clothing, eye and face protection.				
	Response: P308 + P313 IF exposed or concerned: Get medical	attention.			
	Storage:				

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P405 Store locked up.

Disposal:

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

Other hazards

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

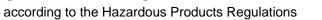
Substance / Mixture :	Mixture
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Components

Componente			
Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Calcium carbonate	Carbonic acid calcium salt	471-34-1	4.9
Diiron trioxide	No data availa- ble	1309-37-1	1
tert-Butyl-4- methoxyphenol	Phenol, (1,1- dimethylethyl)- 4-methoxy-	25013-16-5	0.4

SECTION 4. FIRST 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	:	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.
Most important symptoms and effects, both acute and delayed	:	Suspected of causing cancer. Suspected of damaging the unborn child. 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).



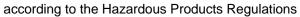


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١	Notes t	o physician	:	Treat symptomatically and supportively.		
SECT	FION 5	. FIRE-FIGHTING ME	ASL	IRES		
ŝ	Suitable extinguishing media		:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical		
	Jnsuita nedia	ble extinguishing	:	None known.		
	Specific hazards during fire fighting		:	Exposure to comb	pustion products may be a hazard to health.	
	Hazardous combustion prod- ucts		:	Carbon oxides Metal oxides		
	Specific extinguishing meth- ods		:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do	
	Special protective equipment for fire-fighters		:		e, wear self-contained breathing apparatus. ective equipment.	
SECT	SECTION 6. ACCIDENTAL RELEASE MEASURES					

CTION 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 protective 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 container 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 surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding





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		certain local or	national requirements.			
SECTIO	N 7. HANDLING AND S	FORAGE				
Technical measures		 Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. 				
Local/Total ventilation Advice on safe handling		 Use only with a Do not breather Do not swallow Avoid contact w Avoid prolonge Handle in acco practice, based assessment Minimize dust g Keep contained Keep away from Take precautio 	adequate ventilation. dust. 7.			
Conditions for safe storageKeep in properly labeled containers. Store in accordance with the particular national reMaterials to avoidDo not store with the following product types: Strong oxidizing agents			lance with the particular national regulations. th the following product types:			

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Calcium carbonate	471-34-1	TWAEV (to- tal dust)	10 mg/m ³	CA QC OEL
		TWA	10 mg/m ³ (Calcium car- bonate)	CA AB OEL
		TWA (Total dust)	10 mg/m ³	CA BC OEL
		TWA (respir- able dust fraction)	3 mg/m³	CA BC OEL
		STEL	20 mg/m ³	CA BC OEL
Diiron trioxide	1309-37-1	TWA (Res- pirable)	5 mg/m ³	CA AB OEL
		TWA (Fumes)	5 mg/m ³ (Iron)	CA BC OEL
		TWA (Dust)	5 mg/m ³ (Iron)	CA BC OEL
		STEL	10 mg/m ³	CA BC OEL



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				(Fumes)	(Iron)	
				TWAEV (fume and dust)	5 mg/m³ (Iron)	CA QC OE
				TWÁ (Respirable particulate matter)	5 mg/m³	ACGIH
Engir	neering measures	cc Al de	ompound. I engineerin esign and op	g controls shoul	trols to minimize exp d be implemented b dance with GMP prir d the environment.	y facility
Perso	onal protective equip	ment				
Fil	iratory protection	e> re	posure asse	essment demon d guidelines, use	tilation is not availab strates exposures of e respiratory protecti	utside the
	protection aterial	: C	hemical-resi	stant gloves		
Eye p	protection	lf m W po	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.			
	and body protection ne measures	: If ey W W W Th er ap	exposure to ve flushing s orking place hen using d ash contam ne effective ogineering co opropriate de dustrial hygi	ystems and safe o not eat, drink inated clothing l operation of a fa ontrols, proper p egowning and d	ly during typical use ety showers close to or smoke. before re-use. acility should include personal protective e econtamination proc medical surveillance	review of equipment, edures,

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	capsule
Color	:	metallic
		gray
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	No data available





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	Melting	point/freezing point	:	No data available	
	Initial b range	oiling point and boiling	:	No data available	
	Flash p	oint	:	Not applicable	
	Evapor	ation rate	:	Not applicable	
	Flamma	ability (solid, gas)	:	May form explosin handling or other	ve dust-air mixture during processing, means.
	Flamma	ability (liquids)	:	Not applicable	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	pressure	:	Not applicable	
	Relative	e vapor density	:	Not applicable	
	Relative	e density	:	No data available	
	Density	,	:	No data available	
	Solubili Wat	ty(ies) er solubility	:	No data available	
	Partition octanol	n coefficient: n-	:	Not applicable	
		nition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	Viscosi Visc	ty osity, kinematic	:	Not applicable	
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance or	mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	
	Particle Particle	e characteristics e size	:	No data available	

SECTION 10. STABILITY AND REACTIVITY



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(Reactivity Chemical stability Possibility of hazardous reac- ions	: Stable under n - : May form explo handling or oth	as a reactivity hazard. ormal conditions. osive dust-air mixture during processing, er means. strong oxidizing agents.
l	Conditions to avoid ncompatible materials Hazardous decomposition products	 Heat, flames an Avoid dust form Oxidizing agen No hazardous 	nation.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.

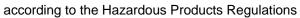
Components:

Calcium carbonate:	
Acute oral toxicity :	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 420 Assessment: The substance or mixture has no acute oral tox- icity
Acute inhalation toxicity :	LC50 (Rat): > 3 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhala- tion toxicity
Acute dermal toxicity :	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity
Diiron trioxide:	
Acute oral toxicity :	LD50 (Rat): > 5,000 mg/kg Method: Directive 67/548/EEC, Annex V, B.1.
Acute inhalation toxicity :	LC50 (Rat): > 5.05 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhala- tion toxicity



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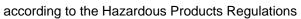
ersion 1	Revision Date: 09/28/2024		lumber: 935-00008	Date of last issue: 07/06/2024 Date of first issue: 12/20/2022			
tert-B	utyl-4-methoxypher	nol:					
	oral toxicity		950 (Rabbit): 2	2,100 mg/kg			
Acute	e dermal toxicity	Me As		000 mg/kg Test Guideline 402 e substance or mixture has no acute dermal			
	corrosion/irritation lassified based on ava	ailable info	rmation.				
<u>Com</u>	oonents:						
Calci	um carbonate:						
Speci Metho Resul	bd	: OE	abbit ECD Test Gui skin irritation				
Diiro	n trioxide:						
Speci Metho Resu	bd	: OE	 Rabbit OECD Test Guideline 404 No skin irritation 				
tert-B	utyl-4-methoxypher	nol:					
Speci Resu			abbit in irritation				
	us eye damage/eye lassified based on ava		rmation.				
<u>Com</u>	oonents:						
	um carbonate:						
Speci Resul Metho	lt	: No	abbit b eye irritation ECD Test Gui	deline 405			
Diiro	n trioxide:						
Speci Resu Metho	lt	: No	 Rabbit No eye irritation OECD Test Guideline 405 				
tert-B	Sutyl-4-methoxypher	nol:					
Speci Resul Rema	lt	: Irri		, reversing within 21 days rom similar materials			





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Resp	Respiratory or skin sensitization						
-	sensitization lassified based on avai	ilable	information.				
-	iratory sensitization lassified based on avai	ilable	information.				
Com	ponents:						
Test	es of exposure ies od	:	Local lymph node Skin contact Mouse OECD Test Guid negative				
tert-E	Butyl-4-methoxyphen	ol:					
Test Route Resu	es of exposure	:	 Human repeat insult patch test (HRIPT) Skin contact negative 				
	n cell mutagenicity lassified based on avai	ilable	information.				
Com	ponents:						
	um carbonate:						
Geno	otoxicity in vitro	:		rial reverse mutation assay (AMES) Test Guideline 471			
				nosome aberration test in vitro est Guideline 473			
				o mammalian cell gene mutation test est Guideline 476			
Diiro	n trioxide:						
Gend	otoxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)			
Genc	otoxicity in vivo	:	Species: Rat Application Route	o mammalian alkaline comet assay e: Ingestion est Guideline 489			
tert-E	Butyl-4-methoxyphen	ol:					
	otoxicity in vitro	:	Test Type: Bacte	rial reverse mutation assay (AMES)			



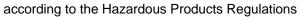


ersion .1	Revision Date: 09/28/2024	SDS Nu 111539	ımber: 35-00008	Date of last issue: 07/06/2024 Date of first issue: 12/20/2022
		Res	ult: negative	
		Met		o mammalian cell gene mutation test est Guideline 476
			t Type: Chrom ult: negative	nosome aberration test in vitro
		thes		lamage and repair, unscheduled DNA syn- ian cells (in vitro)
	nogenicity acted of causing cancer.			
Comp	oonents:			
tert-B	utyl-4-methoxyphenol	:		
	ation Route sure time		estion weeks tive	
	ation Route sure time	: Inge	veeks	
Carcir ment	nogenicity - Assess-	: Limi	ted evidence	of carcinogenicity in animal studies
•	oductive toxicity acted of damaging the u	nborn chi	ld.	
Comp	oonents:			
Calciu	um carbonate:			
Effect	s on fertility	repr Spe App Met	oduction/deve cies: Rat lication Route	ined repeated dose toxicity study with the elopmental toxicity screening test :: Ingestion est Guideline 422
Effect	s on fetal development	Spe App Met	cies: Rat lication Route	vo-fetal development :: Ingestion est Guideline 414
tert-B	utyl-4-methoxyphenol	:		
	s on fertility	: Tes	t Type: One-g cies: Rat	eneration reproduction toxicity study



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rsion	Revision Date: 09/28/2024		DS Number: 153935-00008	Date of last issue: 07/06/2024 Date of first issue: 12/20/2022
			Application Route Result: negative	e: Ingestion
Effect	s on fetal development	:	Test Type: Fertili Species: Mouse Application Route Result: positive	ty/early embryonic development
Repro sessn	oductive toxicity - As- nent	:	Some evidence of animal experiment	of adverse effects on development, based on the set of
STOT	-single exposure			
Not cl	assified based on availa	able	information.	
STOT	-repeated exposure			
Not cl	assified based on availa	able	information.	
Repe	ated dose toxicity			
Com	oonents:			
Calci	um carbonate:			
	EL cation Route sure time	:	Rat > 1,000 mg/kg Ingestion 28 Days OECD Test Guid	eline 422
Diiro	n trioxide:			
	EL cation Route sure time		Rat >= 1,000 mg/kg Ingestion 90 Days OECD Test Guid	eline 408
tert-B	utyl-4-methoxyphenol	I:		
Speci NOAE LOAE Applic	es EL	:	Rat 50 mg/kg 250 mg/kg Ingestion 8 Months	
-	ation toxicity assified based on availa			





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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity		
Components:		
Calcium carbonate:		
Toxicity to fish	:	LL50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EL50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	NOELR (Pseudokirchneriella subcapitata (green algae)): 50 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 201
		EL50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 201
Toxicity to microorganisms	:	NOEC: 1,000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
		EC50: > 1,000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
Diiron trioxide:		
Toxicity to fish	:	LL50 (Danio rerio (zebra fish)): > 10,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EL50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EL50 (Raphidocelis subcapitata (freshwater green alga)): > 20 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		NOELR (Raphidocelis subcapitata (freshwater green alga)): >= 20 mg/l Exposure time: 72 h



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ersion .1	Revision Date: 09/28/2024		OS Number: 153935-00008	Date of last issue: 07/06/2024 Date of first issue: 12/20/2022
			Method: OECD T	est Guideline 201
	tity to daphnia and other tic invertebrates (Chron- icity)		NOELR (Daphnia Exposure time: 2 ⁻ Method: OECD T	
Τοχία	sity to microorganisms	:	Exposure time: 3 Method: ISO 819	
tert-E	Butyl-4-methoxyphenol	:		
	to fish	:	Exposure time: 96	o (zebra fish)): 1.56 mg/l 5 h est Guideline 203
	tity to daphnia and other tic invertebrates	:	Exposure time: 48	nagna (Water flea)): 2.3 mg/l 3 h est Guideline 202
Toxic plant	sity to algae/aquatic s	:	ErC50 (Pseudokin mg/l Exposure time: 72 Method: OECD T	
			NOEC (Pseudoki mg/l Exposure time: 72 Method: OECD T	
	istence and degradabil ata available	ity		
	ccumulative potential			
	ponents:			
	 Butyl-4-methoxyphenol	-		
	ccumulation	:		latipes (Orange-red killifish) factor (BCF): 16 - 21
	tion coefficient: n- nol/water	:	log Pow: 2.82 Method: OECD T	est Guideline 117
	i lity in soil ata available			
	r adverse effects ata available			



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SECTION 13. DISPOSAL CONSIDERATIONS

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
		handling site for recycling or disposal.
		If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG		
UN number	:	UN 3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
		(Copper oxide, 2,6-Di-tert-butyl-p-cresol)
Class	:	9
Packing group	:	III
Labels	:	9
Environmentally hazardous	:	yes
IATA-DGR		
UN/ID No.	:	UN 3077
Proper shipping name	:	Environmentally hazardous substance, solid, n.o.s. (Copper oxide, 2,6-Di-tert-butyl-p-cresol)
Class	:	9
Packing group	:	III
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	956
Packing instruction (passen- ger aircraft)	:	956
Environmentally hazardous	:	yes
IMDG-Code		
UN number	:	UN 3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
		(Copper oxide, 2,6-Di-tert-butyl-p-cresol)
Class	:	9
Packing group	:	
Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	ves

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

Not applicable for product as supplied.

Domestic regulation

TDG

UN number	:	UN 3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,



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Label ERG	ng group s	9 III 9 171	2,6-Di-tert-butyl-p-cresol) e, 2,6-Di-tert-butyl-p-cresol)

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

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

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

SECTION 16. OTHER INFORMATION

Full text of other abbreviations				
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)		
CA AB OEL	:	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)		
CA BC OEL	:	Canada. British Columbia OEL		
CA QC OEL	:	Québec. Regulation respecting occupational health and safe- ty, Schedule 1, Part 1: Permissible exposure values for air- borne contaminants		
ACGIH / TWA		8-hour, time-weighted average		
CA AB OEL / TWA	:	8-hour Occupational exposure limit		
CA BC OEL / TWA	:	8-hour time weighted average		
CA BC OEL / STEL		short-term exposure limit		
CA QC OEL / TWAEV	:	Time-weighted average exposure value		

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



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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

Sources of key data used to compile the Material 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/
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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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