

This industrial Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Version 1.1 SDS Number: 660000001259 Revision Date: 09/23/2015

#### **SECTION 1. IDENTIFICATION**

Product name : COLGATE 360 TOOTHPASTE WINTERGREEN

Product code : 100000135560 Material : B05461990000

Manufacturer or supplier's details

Company : Colgate-Palmolive Co

300 Park Avenue New York, NY 10022

Telephone : US: Consumer Affairs - 1-800-468-6502

Telefax : +50250224239500

**Emergency telephone** 

number

For emergencies involving spill, leak, fire, exposure or acci-

dent call CHEMTREC (24hr) at (800) 424-9300 or

(703) 527-3887.

Medical Emergency

(24HR):

For MEDICAL EMERGENCIES involving this product call:

(888) 489-3861

Recommended use of the chemical and restrictions on use

Recommended use : A formulated dentifrice.

### **SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification** 

Serious eye damage : Category 1

Skin sensitisation : Category 1

**GHS Label element** 

Hazard pictograms :





Signal word : Danger

Hazard statements : H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

Precautionary statements : Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P272 Contaminated work clothing should not be allowed out of

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the workplace.

P280 Wear protective gloves/ eye protection/ face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

P333 + P313 If skin irritation or rash occurs: Get medical advice/

attention.

P363 Wash contaminated clothing before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste dis-

posal plant.

#### Other hazards

None known.

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

#### **Hazardous components**

Chemical Name	CAS-No.	Concentration (% w/w)
GLYCERIN	56-81-5	>= 30 - < 50
SYNTHETIC AMORPHOUS SILICA	amorphous silica or	>= 20 - < 30
PRECIPITATED	silicates	
Propylene Glycol	PROPYLENE	>= 1 - < 5
	GLYCOL	
POLYETHYLENE GLYCOL	25322-68-3	>= 1 - < 5
ZINC LACTATE	16039-53-5	>= 1 - < 5
TETRASODIUM PYROPHOSPHATE	7722-88-5	>= 1 - < 5
SODIUM LAURYL SULFATE	151-21-3	>= 1 - < 5
STANNOUS FLUORIDE	7783-47-3	>= 0.1 - < 1
DISODIUM PYROPHOSPHATE	7758-16-9	>= 0.1 - < 1
ANETHOLE	104-46-1	>= 0.1 - < 1
SPEARMINT OIL	8008-79-5	>= 0.1 - < 1

## **SECTION 4. FIRST AID MEASURES**

General advice : No hazards which require special first aid measures.

If inhaled : Move to fresh air in case of accidental inhalation of dust or

fumes from overheating or combustion. If symptoms persist, call a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately.

Wash off with soap and plenty of water.

In case of eye contact : Flush eyes with water as a precaution.

Remove contact lenses. Protect unharmed eye.

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Keep eye wide open while rinsing.

If swallowed : Clean mouth with water and drink afterwards plenty of water.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and

delayed

May cause an allergic skin reaction.

Causes serious eye damage.

### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Hazardous combustion prod-

ucts

: No hazardous combustion products are known

Further information : Standard procedure for chemical fires.

Special protective equipment

for firefighters

: In the event of fire, wear self-contained breathing apparatus.

### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up

Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

#### **SECTION 7. HANDLING AND STORAGE**

Advice on protection against

fire and explosion

: Normal measures for preventive fire protection.

Advice on safe handling : For personal protection see section 8.

No special handling advice required.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated

place.

Materials to avoid : No special restrictions on storage with other products.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components CAS-N	o. Value type	Control parame-	Basis
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		(Form of	ters / Permissible	
011/055111		exposure)	concentration	00114 7 4
GLYCERIN	56-81-5	TWA (mist,	5 mg/m3	OSHA Z-1
		respirable		
		fraction)		
		TWA (mist,	15 mg/m3	OSHA Z-1
		total dust)		
		TWA (Mist -	10 mg/m3	OSHA P0
		total dust)		
		TWA (Mist -	5 mg/m3	OSHA P0
		respirable		
		fraction)		
SYNTHETIC AMORPHOUS	amorphous	TWA	6 mg/m3	OSHA P0
SILICA PRECIPITATED	silica or sili-			
	cates			
		TWA (Dust)	20 Million parti-	OSHA Z-3
		11171 (2 0.01)	cles per cubic foot	00
			(Silica)	
		TWA (Dust)	80 mg/m3 /	OSHA Z-3
		1 W/ (Dust)	%SiO2	0011/120
			(Silica)	
Propylene Glycol	PROPYLEN	TWA	10 mg/m3	US WEEL
1 Topyletic Glycol	E GLYCOL	IVVA	10 1119/1110	OO WEEL
POLYETHYLENE GLYCOL	25322-68-3	TWA (aero-	10 mg/m3	US WEEL
I OETETTTEENE OETOOL	20022-00-0	sol)	TO HIG/HIS	OS WLLL
TETRASODIUM	7722-88-5	TWA	5 mg/m3	NIOSH REL
PYROPHOSPHATE	1122-00-3	IVVA	5 mg/ms	NIOSH KEL
PTROPHOSPHATE		TWA	F == == /== ?	OSHA P0
OTANINO IO EL LIODIDE	7700 17 0		5 mg/m3	
STANNOUS FLUORIDE	7783-47-3	TWA	2 mg/m3	OSHA Z-1
			(Tin)	
		TWA	2.5 mg/m3	OSHA Z-1
			(Fluorine)	
		TWA	2.5 mg/m3	ACGIH
			(Fluorine)	
		TWA	2 mg/m3	ACGIH
			(Tin)	
		TWA	2 mg/m3	OSHA P0
			(Tin)	
		TWA	2.5 mg/m3	OSHA P0
			(Fluorine)	
		TWA	2 mg/m3	NIOSH REL
			(Tin)	

# Hazardous components without workplace control parameters

Components	CAS-No.
ZINC LACTATE	16039-53-5
SODIUM LAURYL SULFATE	151-21-3
DISODIUM	7758-16-9
PYROPHOSPHATE	
ANETHOLE	104-46-1
SPEARMINT OIL	8008-79-5

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### **Biological occupational exposure limits**

Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentration	Basis
STANNOUS FLUORIDE	7783-47-3	CUST-TD- 95246 (CUST- N15.001106 65)	Urine	Prior to shift (16 hours after exposure ceases)	2 mg/l	ACGIH BEI
		CUST-TD- 95246 (CUST- N15.001106 65)	Urine	End of shift (As soon as possible after exposure ceases)	3 mg/l	ACGIH BEI

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally re-

quired.

No personal respiratory protective equipment normally re-

quired.

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

# **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : gel

Colour : green

pH : 4.0 - 10.0

Flash point : > 200 °F

# **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : Stable under recommended storage conditions.

Chemical stability : No decomposition if stored and applied as directed.

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Possibility of hazardous reac-

tions

: No hazards to be specially mentioned.

Conditions to avoid : No data available

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

#### **Acute toxicity**

Not classified based on available information.

**Product:** 

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 10 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Components:

**GLYCERIN:** 

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Method: No information available.

SYNTHETIC AMORPHOUS SILICA PRECIPITATED:

Acute oral toxicity : LD50 (Rat): > 22,500 mg/kg

Method: No information available.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

**Propylene Glycol:** 

Acute oral toxicity : LD50 (Rat): 22,000 mg/kg

Acute inhalation toxicity : LC50 (Rabbit): > 317,042 mg/l

Exposure time: 2 h

Test atmosphere: No information available.

Method: No information available.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

Method: No information available.



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**POLYETHYLENE GLYCOL:** 

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

ZINC LACTATE:

Acute oral toxicity : LD50 (Rat): 1,190 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rabbit): > 7.94 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

Method: OPPTS 870.1200

**TETRASODIUM PYROPHOSPHATE:** 

Acute oral toxicity : LD50 (Rat): 1,624 mg/kg

Method: OECD Test Guideline 425

Acute inhalation toxicity : LC50 (Rabbit): > 0.58 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 (Rabbit): > 2,000 mg/kg

Method: OECD Test Guideline 402

**SODIUM LAURYL SULFATE:** 

Acute oral toxicity : LD50 (Rat): 977 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

Method: OECD Test Guideline 402

**STANNOUS FLUORIDE:** 

Acute oral toxicity : LD50 (Rat): 200 - 300 mg/kg

Method: No information available.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

**DISODIUM PYROPHOSPHATE:** 

Acute oral toxicity : LD50 (Mouse): 2,650 mg/kg

Method: No information available.

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Acute inhalation toxicity : LC50 (Rabbit): > 0.58 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist Method: OPPTS 870.1300

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

Method: OECD Test Guideline 402

**ANETHOLE:** 

Acute oral toxicity : LD50 (Rat): 2,090 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

**SPEARMINT OIL:** 

Acute oral toxicity : LD50 (Rat): 5,000 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Method: No information available.

#### Skin corrosion/irritation

Not classified based on available information.

### **Product:**

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

#### **Components:**

#### **GLYCERIN:**

Result: No skin irritation

# SYNTHETIC AMORPHOUS SILICA PRECIPITATED:

Remarks: No data available

#### **Propylene Glycol:**

Result: No skin irritation

### **POLYETHYLENE GLYCOL:**

Result: No skin irritation

#### ZINC LACTATE:

Result: No skin irritation

### **TETRASODIUM PYROPHOSPHATE:**

Result: No skin irritation

#### **SODIUM LAURYL SULFATE:**

Result: Severe skin irritation

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### **STANNOUS FLUORIDE:**

Remarks: No data available

#### **DISODIUM PYROPHOSPHATE:**

Result: Mild skin irritation

**ANETHOLE:** 

Result: Irritating to skin.

**SPEARMINT OIL:** 

Result: Severe skin irritation

### Serious eye damage/eye irritation

Causes serious eye damage.

#### **Product:**

Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

# **Components:**

### **GLYCERIN:**

Remarks: No data available

### SYNTHETIC AMORPHOUS SILICA PRECIPITATED:

Result: Eye irritation

### **Propylene Glycol:**

Result: No eye irritation

#### **POLYETHYLENE GLYCOL:**

Result: No eye irritation

### ZINC LACTATE:

Result: Irreversible effects on the eye

### **TETRASODIUM PYROPHOSPHATE:**

Result: Irritation to eyes, reversing within 21 days

### **SODIUM LAURYL SULFATE:**

Result: Irreversible effects on the eye

### **STANNOUS FLUORIDE:**

Result: Irritation to eyes, reversing within 21 days

### **DISODIUM PYROPHOSPHATE:**

Result: Irritation to eyes, reversing within 21 days

#### **ANETHOLE:**

Remarks: No data available

## **SPEARMINT OIL:**



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Result: No eye irritation

#### Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: Not classified based on available information.

**Product:** 

Remarks: No data available

# Components:

#### **GLYCERIN:**

Exposure routes: Inhalation Remarks: No data available

Exposure routes: Dermal

Result: Does not cause skin sensitisation.

# SYNTHETIC AMORPHOUS SILICA PRECIPITATED:

Exposure routes: Inhalation Remarks: No data available

Exposure routes: Dermal Remarks: No data available

# Propylene Glycol:

Exposure routes: Inhalation Remarks: No data available

Exposure routes: Dermal

Result: Does not cause skin sensitisation.

## **POLYETHYLENE GLYCOL:**

Exposure routes: Inhalation Remarks: No data available

Exposure routes: Dermal

Result: Does not cause skin sensitisation.

#### ZINC LACTATE:

Exposure routes: Inhalation Remarks: No data available

Exposure routes: Dermal

Result: Does not cause skin sensitisation.

## **TETRASODIUM PYROPHOSPHATE:**

Exposure routes: Inhalation

Result: Does not cause respiratory sensitisation.

Exposure routes: Dermal

Result: Does not cause skin sensitisation.



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## **SODIUM LAURYL SULFATE:**

Exposure routes: Inhalation Remarks: No data available

**Exposure routes: Dermal** 

Result: Does not cause skin sensitisation.

#### STANNOUS FLUORIDE:

Exposure routes: Inhalation Remarks: No data available

Exposure routes: Dermal Remarks: No data available

#### **DISODIUM PYROPHOSPHATE:**

Exposure routes: Inhalation

Result: Does not cause respiratory sensitisation.

Exposure routes: Dermal

Result: Does not cause skin sensitisation.

**ANETHOLE:** 

Exposure routes: Inhalation Remarks: No data available

Exposure routes: Dermal

Result: May cause sensitisation by skin contact.

## SPEARMINT OIL:

Exposure routes: Inhalation Remarks: No data available

Exposure routes: Dermal

Result: May cause sensitisation by skin contact.

#### Germ cell mutagenicity

Not classified based on available information.

## Carcinogenicity

Not classified based on available information.

IARC No component of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

OSHA No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential carcino-

gen by OSHA.

NTP No component of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.



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### Reproductive toxicity

Not classified based on available information.

## STOT - single exposure

Not classified based on available information.

#### STOT - repeated exposure

Not classified based on available information.

#### **Aspiration toxicity**

Not classified based on available information.

#### **Further information**

#### **Product:**

Remarks: This product has not been tested as a whole. However, this formula was reviewed by expert toxicologists in the Product Safety Assurance Department of Colgate-Palmolive and is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 3 of the SDS.

### **SECTION 12. ECOLOGICAL INFORMATION**

The product has not been tested as a whole for environmental toxicity. However, environmental information on the ingredients in this product have been reviewed by the Environmental, Health and Safety group of Colgate-Palmolive and determined to have an acceptable environmental profile. This evaluation is based on available information on individual ingredients, interactions of ingredients, and similar ingredients. Biodegradability claims are supported by data on ingredients (i.e., surfactants are biodegradable) or testing conducted on the final product (i.e., This product is biodegradable).

#### **SECTION 13. DISPOSAL CONSIDERATIONS**

#### **Disposal methods**

Waste from residues : Offer surplus and non-recyclable solutions to a licensed dis-

posal company.

Contaminated packaging : Empty remaining contents.

Empty containers should be taken to an approved waste han-

dling site for recycling or disposal.

# **SECTION 14. TRANSPORT INFORMATION**

**DOT**: Not regulated.

**TDG**: Not regulated.

IATA: Not regulated.

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IMDG : Not regulated.

ADR: NOT REGULATED.

### International Regulation

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

Not applicable for product as supplied.

**National Regulations** 

### **SECTION 15. REGULATORY INFORMATION**

# **EPCRA - Emergency Planning and Community Right-to-Know Act**

### **CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Component RQ (lbs)
PENTASODIUM TRIPHOSPHATE	7758-29-4	5000	*

<sup>\*:</sup> Calculated RQ exceeds reasonably attainable upper limit.

# SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting re-

quirements of SARA Title III, Section 302.

SARA 313 : The following components are subject to reporting levels es-

tablished by SARA Title III, Section 313:

ZINC LACTATE 16039-53-5

### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

GLYCERIN 56-81-5

Propylene Glycol PROPYLENE GLYCOL

POLYETHYLENE 25322-68-3

**GLYCOL** 

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### **Clean Water Act**

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

PENTASODIUM 7758-29-4 TRIPHOSPHATE

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product contains the following toxic pollutants listed under the U.S. Clean Water Act Section 307

ZINC LACTATE 16039-53-5

### **US State Regulations**

### **Massachusetts Right To Know**

GLYCERIN	56-81-5	30 - 50 %
SYNTHETIC AMORPHOUS PRECIPITATED	SILICA amorphous silica or sili-	20 - 30 %
I REGII HATED	cates	
PENTASODIUM TRIPHOSP	PHATE 7758-29-4	1 - 5 %
TETRASODIUM PYROPHO	SPHATE 7722-88-5	1 - 5 %
Pennsylvania Right To Know		
GLYCERIN	56-81-5	30 - 50 %

_		
GLYCERIN	56-81-5	30 - 50 %
SYNTHETIC AMORPHOUS SILICA	amorphous	20 - 30 %
PRECIPITATED	silica or sili-	
	cates	
WATER	Water	10 - 20 %
Propylene Glycol	PROPYLENE	1 - 5 %
	GLYCOL	
PENTASODIUM TRIPHOSPHATE	7758-29-4	1 - 5 %
TETRASODIUM PYROPHOSPHATE	7722-88-5	1 - 5 %
SODIUM SULFATE	7757-82-6	0.1 - 1 %

# **New Jersey Right To Know**

ght To Know		
GLYCERIN	56-81-5	30 - 50 %
SYNTHETIC AMORPHOUS SILICA	amorphous	20 - 30 %
PRECIPITATED	silica or sili-	
	cates	
WATER	Water	10 - 20 %
Propylene Glycol	PROPYLENE	1 - 5 %
	GLYCOL	
POLYETHYLENE GLYCOL	25322-68-3	1 - 5 %
ZINC LACTATE	16039-53-5	1 - 5 %
TETRASODIUM PYROPHOSPHATE	7722-88-5	1 - 5 %

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

#### Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials; bw - Body weight; DIN - Standard of the German Institute for Standardisation; ECx -



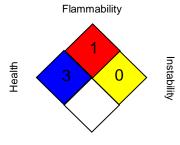
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Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research 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; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; 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; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; DOT - Department of Transportation; EHS - Extremely Hazardous Substance; HMIS - Hazardous Materials Identification System: MSHA - Mine Safety and Health Administration: NFPA - National Fire Protection Association; RCRA - Resource Conservation and Recovery Act; RQ - Reportable Quantity: SARA - Superfund Amendments and Reauthorization Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice; ERG - Emergency Response Guide; NTP - National Toxicology Program; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods

#### **Further information**

#### NFPA:



Special hazard.

#### HMIS III:

HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 = Extreme, \* = Chronic

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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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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