

# SAFETY DATA SHEET

## Kohrsolin extra

Version 3.3      Revision Date: 30.11.2018      SDS Number: R11850      Date of last issue: 26.10.2018  
Date of first issue: 01.02.2017

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Kohrsolin extra

Product code : R11850

#### Manufacturer or supplier's details

Manufacturer : BODE Chemie GmbH  
Melanchthonstraße 27  
22525 Hamburg  
Tel.: +49 (0)40 / 54 00 60

Supplier :

Responsible Department : Scientific Affairs  
Kundenservice@SIDA-BODE-CHEMIE.de

Emergency telephone number : Giftnotruf Göttingen  
24h-Phone +49 (0)551 / 1 92 40

#### Recommended use of the chemical and restrictions on use

Recommended use : In-door use  
Disinfectants and general biocidal products  
For further information, refer to the product technical data sheet.

Restrictions on use : Restricted to professional users.

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 3  
Acute toxicity (Oral) : Category 4  
Acute toxicity (Inhalation) : Category 4  
Skin corrosion/irritation : Sub-category 1B  
Respiratory sensitisation : Category 1  
Skin sensitisation : Category 1  
Germ cell mutagenicity : Category 2  
Carcinogenicity : Category 2  
Short-term (acute) aquatic hazard : Category 1  
Long-term (chronic) aquatic hazard : Category 2

#### GHS label elements

Hazard pictograms :



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Signal word	:	Danger
Hazard statements	:	H226 Flammable liquid and vapour. H302 + H332 Harmful if swallowed or if inhaled. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H341 Suspected of causing genetic defects. H350 May cause cancer. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	<b>Prevention:</b> P201 Obtain special instructions before use. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P284 Wear respiratory protection. <b>Response:</b> P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. 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/doctor. P308 + P313 IF exposed or concerned: Get medical advice/ attention. <b>Disposal:</b> P501 Dispose of contents/ container to an approved waste disposal plant. Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification

None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Didecyldimethylammonium chloride	7173-51-5	>= 1 - < 10
Tridecanol, branched, ethoxylated	69011-36-5	>= 1 - < 10
(ethylenedioxy)dimethanol	3586-55-8	>= 1 - < 10
Formaldehyde	50-00-0	>= 1 - < 10
Propan-2-ol	67-63-0	>= 1 - < 10
Glutaral	111-30-8	>= 1 - < 10
Alcohols, C12-14. ethoxylated	68439-50-9	>= 1 - < 10
(R)-p-mentha-1,8-diene	5989-27-5	>= 0,1 - < 1

## 4. FIRST AID MEASURES

General advice	:	Call a physician immediately.
If inhaled	:	If breathed in, move person into fresh air.
In case of skin contact	:	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water.

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- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- If swallowed : Do NOT induce vomiting.  
Rinse mouth.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : Keep under medical supervision for at least 48 hours.  
For specialist advice physicians should contact the Poisons Information Service.

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### 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)  
Foam
- Unsuitable extinguishing media : none
- Specific hazards during fire-fighting : Cool closed containers exposed to fire with water spray.
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : Standard procedure for chemical fires.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

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### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.  
Use personal protective equipment.
- Environmental precautions : Should not be released into the environment.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

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### 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Keep away from heat and sources of ignition.  
Provide sufficient air exchange and/or exhaust in work rooms.
- Advice on safe handling : Prepare the working solution as given on the label(s) and/or the user instructions.
- Conditions for safe storage : Store at room temperature in the original container.  
Keep tightly closed.
- Materials to avoid : Keep away from food and drink.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with workplace control parameters**

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Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Formaldehyde	50-00-0	TWA	0,1 ppm	ACGIH
		STEL	0,3 ppm	ACGIH
Propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH

**Occupational exposure limits of decomposition products**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
formaldehyde	50-00-0	TWA	0,1 ppm	ACGIH
		STEL	0,3 ppm	ACGIH

**Biological occupational exposure limits**

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of workweek	40 mg/l	ACGIH BEI

**Personal protective equipment**

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Filter type : Combined inorganic gas/vapour and organic vapour type

Hand protectionIn case of full contact: Nitrile rubber

Material : Protective gloves complying with EN 374.

Break through time : > 120 min

Glove thickness : 0,1 mm

Protective index : Class 4

: Peha-soft nitrile guard

Remarks : In case of full contact: Nitrile rubber

Eye protection : Safety glasses with side-shields conforming to EN166

Skin and body protection : Impervious clothing

Protective measures : Ensure that eye flushing systems and safety showers are located close to the working place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with the skin and the eyes.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Colour : light yellow

Odour : characteristic

pH : 4 (20 °C)

Melting point/range : not determined

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Boiling point/boiling range	:	not determined
Flash point	:	41 °C
		Method: DIN 51755 Part 1
Flammability (solid, gas)	:	No data available
		No data available
Vapour pressure	:	No data available
Density	:	1,02 g/cm <sup>3</sup> (20 °C)
Solubility(ies)	:	
Water solubility	:	completely miscible

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### 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if used as directed.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	Heat Strong sunlight for prolonged periods.
Incompatible materials	:	Amines Anionic surfactants
Hazardous decomposition products	:	This product may release the following: Formaldehyde (CAS: 50-00-0)

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

Acute oral toxicity	:	Acute toxicity estimate: 583,65 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: 2,02 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: 3.777 mg/kg Method: Calculation method

##### Components:

##### **Didcyldimethylammonium chloride** (CAS: 7173-51-5):

Acute oral toxicity	:	LD50 Oral (Rat): 238 mg/kg Method: OECD Test Guideline 401
Acute dermal toxicity	:	LD50 Dermal (Rabbit): 3.342 mg/kg

##### **Tridecanol, branched, ethoxylated** (CAS: 69011-36-5):

Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg Method: Expert judgement
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Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg  
Method: Expert judgement

**(ethylenedioxy)dimethanol** (CAS: 3586-55-8):

Acute oral toxicity : LD50 (Rat, female): 760 mg/kg

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg

**Propan-2-ol** (CAS: 67-63-0):

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5.000 mg/kg

**Glutaral** (CAS: 111-30-8):

Acute inhalation toxicity : LC50 (Rat, female): 0,28 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Assessment: Corrosive to the respiratory tract.

**Alcohols, C12-14. ethoxylated** (CAS: 68439-50-9):

Acute oral toxicity : LD50 Oral (Rat): 2.000 mg/kg

**Skin corrosion/irritation****Components:****Didecyldimethylammonium chloride** (CAS: 7173-51-5):

Species: Rabbit  
Exposure time: 3 min  
Method: OECD Test Guideline 404  
Result: Corrosive after 3 minutes or less of exposure

**Tridecanol, branched, ethoxylated** (CAS: 69011-36-5):

Species: Rabbit  
Result: No skin irritation

**(ethylenedioxy)dimethanol** (CAS: 3586-55-8):

Result: Skin irritation

**Formaldehyde** (CAS: 50-00-0):

Result: Causes burns.

**Propan-2-ol** (CAS: 67-63-0):

Species: Rabbit  
Result: No skin irritation

**Glutaral** (CAS: 111-30-8):

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: Corrosive

**Alcohols, C12-14. ethoxylated** (CAS: 68439-50-9):

Result: Repeated exposure may cause skin dryness or cracking.

**(R)-p-mentha-1,8-diene** (CAS: 5989-27-5):

Result: Irritating to skin.

**Kohrsolin extra****Serious eye damage/eye irritation****Components:****Tridecanol, branched, ethoxylated** (CAS: 69011-36-5):

Species: Rabbit

Method: OECD Test Guideline 437

Result: Risk of serious damage to eyes.

**(ethylenedioxy)dimethanol** (CAS: 3586-55-8):

Result: Risk of serious damage to eyes.

**Propan-2-ol** (CAS: 67-63-0):

Species: Rabbit

Result: Eye irritation

**Alcohols, C12-14, ethoxylated** (CAS: 68439-50-9):

Result: Irreversible effects on the eye

**Respiratory or skin sensitisation****Product:**

Result: May cause sensitisation by skin contact.

**Components:****Tridecanol, branched, ethoxylated** (CAS: 69011-36-5):

Test Type: Maximisation Test

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

**(ethylenedioxy)dimethanol** (CAS: 3586-55-8):

Result: May cause sensitisation by skin contact.

**Formaldehyde** (CAS: 50-00-0):

Result: May cause sensitisation by skin contact.

**Propan-2-ol** (CAS: 67-63-0):

Test Type: Buehler Test

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

**Glutaral** (CAS: 111-30-8):

Species: Guinea pig

Result: The product is a skin sensitiser, sub-category 1A.

Result: May cause sensitisation by inhalation.

**(R)-p-mentha-1,8-diene** (CAS: 5989-27-5):

Assessment: May cause sensitisation by skin contact.

**Germ cell mutagenicity****Components:****Propan-2-ol** (CAS: 67-63-0):

Genotoxicity in vitro

: Test Type: Ames test

Metabolic activation: with and without metabolic activation

Result: negative

**Kohrsolin extra****Carcinogenicity****Components:****Formaldehyde** (CAS: 50-00-0):

Carcinogenicity - Assessment : May cause cancer by inhalation.

**Reproductive toxicity**

No data available

**STOT - single exposure****Components:****Glutaral** (CAS: 111-30-8):

Assessment: May cause respiratory irritation.

**STOT - repeated exposure**

No data available

**Repeated dose toxicity**

No data available

**Aspiration toxicity**

No data available

**Experience with human exposure**

No data available

**Toxicology, Metabolism, Distribution**

No data available

**Neurological effects**

No data available

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**12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

Toxicity to microorganisms : IC50 (Bacteria): 174 mg/l

**Components:****Didecyldimethylammonium chloride** (CAS: 7173-51-5):Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 0,19 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,062 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202Toxicity to algae : ErC50 ( Pseudokirchneriella subcapitata (green algae)): 0,026 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 10

Toxicity to fish (Chronic toxicity) : NOEC: 0,032 mg/l  
Exposure time: 34 d



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Species: Danio rerio (zebra fish)  
Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,014 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity) : 1

### **Tridecanol, branched, ethoxylated** (CAS: 69011-36-5):

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): > 1 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae : EC50 ( Desmodesmus subspicatus (green algae)): > 1 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to microorganisms : IC50 (Pseudomonas putida): > 1.000 mg/l  
Exposure time: 16 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 1 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

### **(ethylenedioxy)dimethanol** (CAS: 3586-55-8):

Toxicity to fish : LC50 (Fish): 71 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 28 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 ( Pseudokirchneriella subcapitata (green algae)): 4,62 mg/l  
Exposure time: 72 h

### **Propan-2-ol** (CAS: 67-63-0):

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 ( Scenedesmus capricornutum (fresh water algae)): > 100 mg/l  
Exposure time: 72 h

### **Glutaral** (CAS: 111-30-8):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,8 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2,1 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202

Toxicity to algae : EC50 ( Desmodesmus subspicatus (green algae)): 0,6 mg/l

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Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

NOEC ( Desmodesmus subspicatus (green algae)): 0,025 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 1

Toxicity to fish (Chronic toxicity) : NOEC: 1,6 mg/l  
Exposure time: 97 d  
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 5 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity) : 1

### **Alcohols, C12-14. ethoxylated** (CAS: 68439-50-9):

Toxicity to fish : LC50 (Fish): > 1 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1 mg/l  
Exposure time: 48 h

Toxicity to algae : IC50 ( Scenedesmus capricornutum (fresh water algae)): > 1 mg/l  
Exposure time: 72 h

NOEC ( Scenedesmus capricornutum (fresh water algae)): 0,14 mg/l

M-Factor (Chronic aquatic toxicity) : 1

### **Persistence and degradability**

#### **Product:**

Biodegradability : Remarks: The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

#### **Components:**

##### **Didcyldimethylammonium chloride** (CAS: 7173-51-5):

Biodegradability : Method: Modified Sturm Test  
Remarks: Readily biodegradable, according to appropriate OECD test.

##### **Glutaral** (CAS: 111-30-8):

Biodegradability : Remarks: Readily biodegradable, according to appropriate OECD test.

Biochemical Oxygen Demand (BOD) : Biochemical oxygen demand  
235 mg/g  
Incubation time: 5 d

Chemical Oxygen Demand (COD) : 1.385 mg/g

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### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Adsorbed organic bound halogens (AOX) : Remarks: Product does not contain any organic halogens.

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## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of as hazardous waste in compliance with local and national regulations.  
The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging : Empty remaining contents.  
Clean container with water.  
Offer rinsed packaging material to local recycling facilities.

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## 14. TRANSPORT INFORMATION

### ADR

UN number : UN 2920  
Proper shipping name : CORROSIVE LIQUID, FLAMMABLE, N.O.S.  
(didecyldimethylammonium chloride, propan-2-ol)  
Class : 8  
Subsidiary risk : 3  
Packing group : II  
Labels : 8 (3)  
Hazard Identification Number : 83  
Tunnel restriction code : (D/E)  
Environmentally hazardous : yes

### UNRTDG

UN number : UN 2920  
Proper shipping name : CORROSIVE LIQUID, FLAMMABLE, N.O.S.  
(didecyldimethylammonium chloride, propan-2-ol)  
Class : 8  
Subsidiary risk : 3  
Packing group : II  
Labels : 8 (3)

### IATA-DGR

UN/ID No. : UN 2920  
Proper shipping name : Corrosive liquid, flammable, n.o.s.  
(didecyldimethylammonium chloride, propan-2-ol)  
Class : 8  
Subsidiary risk : 3  
Packing group : II  
Labels : Class 8 - Corrosive, Class 3 - Flammable Liquid  
Packing instruction (cargo aircraft) : 855  
Packing instruction (passenger aircraft) : 851

### IMDG-Code

UN number : UN 2920

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Proper shipping name : CORROSIVE LIQUID, FLAMMABLE, N.O.S.  
(didecyldimethylammonium chloride, propan-2-ol)  
Class : 8  
Subsidiary risk : 3  
Packing group : II  
Labels : 8 (3)  
EmS Code : F-E, S-C  
Marine pollutant : yes

### Transport in bulk according to IMO instruments

Not applicable for product as supplied.

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 15. REGULATORY INFORMATION

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

#### International Regulations

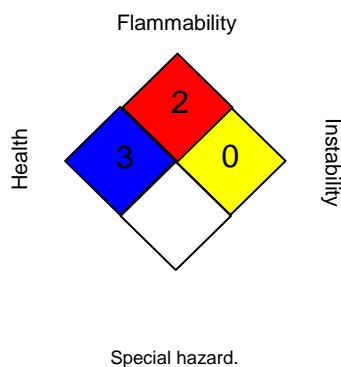
## 16. OTHER INFORMATION

### Safety datasheet sections which have been updated:

6. Accidental release measures
8. Exposure controls/personal protection

### Further information

#### NFPA:



#### HMIS® IV:

HEALTH	*	3
FLAMMABILITY		2
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)  
  
ACGIH / TWA : 8-hour, time-weighted average  
ACGIH / STEL : Short-term exposure limit

AICS - Australian Inventory of Chemical Substances; 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; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for

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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; KECl - 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; 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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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.

TC / EN