

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : MD 535 Plaster remover  
Revision : 18.05.2022  
Print date : 18.05.2022

Version (Revision) : 3.0.2 (3.0.1)

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

MD 535 Plaster remover

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

##### Relevant identified uses

MD 535 is a special cleaner with strong cleaning power for the removal of plaster and alginates from impression trays, spatulas, plaster knives, mixing beakers (also from vacuum mixing devices), prosthetic materials of all types, orthodontic appliances, etc.

##### Product Categories [PC]

PC35 - Washing and cleaning products (including solvent based products)

##### Uses advised against

None, if handled according to order.

##### Remark

The product is intended for professional use.

#### 1.3 Details of the supplier of the safety data sheet

##### Supplier (manufacturer/importer/only representative/downstream user/distributor)

orochemie GmbH + Co. KG

**Street :** Max-Planck-Straße 27

**Postal code/city :** 70806 Kornwestheim

**Telephone :** +49 7154 1308-0

**Telefax :** +49 7154 1308-40

**Information contact :** DÜRR DENTAL SE, Höpfigheimer Str. 17, 74321 Bietigheim-Bissingen, Germany  
Tel: [+49 7142 705-0](tel:+4971427050), Fax: [+49 7142 705-500](tel:+497142705500), [info@duerrdental.com](mailto:info@duerrdental.com)

##### in Australia:

DÜRR DENTAL SE, PO Box 2067, Woonona East New South Wales 2517, Australia, Frank Schröder, Tel.: 1300 52 53 51

##### in New Zealand:

Ivoclar Vivadent Ltd, 12 Omega Street, Rosedale, Auckland 0632, New Zealand. Customer Services Phone: 0508 486 252  
Telephone: +64 9 914 9999 Fax: +64 9 914 9990 Email: [Customercare.nz@ivoclar.com](mailto:Customercare.nz@ivoclar.com)

#### 1.4 Emergency telephone number

National Poisons Centre: 0800 764 766 / 24 hours a day, 7 days a week New Zealand wide.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Although there is no labelling required for this product, we nevertheless advise observation of the safety recommendations.

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

None

##### Classification procedure

The classification was carried out according to the calculation method of Regulation No. (EC) 1272/2008 [CLP].

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

##### Precautionary statements

P280 Wear protective gloves and eye/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container to hazardous or special waste collection point.

##### Special rules for supplemental label elements for certain mixtures

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EUH210 Safety data sheet available on request.

### 2.3 Other hazards

None

## SECTION 3: Composition / information on ingredients

### 3.2 Mixtures

#### Description

MD 535 contains alkaline cleaning components and complexing agents in aqueous solution.

#### Hazardous ingredients

SODIUM ETHYLENEDIAMINETETRAACETATE ; REACH registration No. : 01-2119486762-27 ; EC No. : 200-573-9; CAS No. : 64-02-8

Weight fraction :  $\geq 10 - < 15$  %

Classification 1272/2008 [CLP] : STOT RE 2 ; H373 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H332

SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; REACH registration No. : 01-2119486775-20 ; EC No. : 205-358-3; CAS No. : 139-33-3

Weight fraction :  $\geq 5 - < 10$  %

Classification 1272/2008 [CLP] : STOT RE 2 ; H373 Acute Tox. 4 ; H332

#### Additional information

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation

No special measures are necessary.

#### In case of skin contact

Wash with plenty of water. When in doubt or if symptoms are observed, get medical advice.

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

No special measures are necessary. Never give anything by mouth to an unconscious person or a person with cramps.

### 4.2 Most important symptoms and effects, both acute and delayed

None known.

### 4.3 Indication of any immediate medical attention and special treatment needed

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>) Extinguishing powder Water spray Water mist The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

#### Unsuitable extinguishing media

Full water jet

### 5.2 Special hazards arising from the substance or mixture

None known.

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### Hazardous combustion products

None known.

### 5.3 Advice for firefighters

Adapt protective equipment to surrounding fire.

#### Special protective equipment for firefighters

Adapt protective equipment to surrounding fire.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. See protective measures under point 7 and 8.

#### For non-emergency personnel

Use personal protection equipment. See protective measures under point 7 and 8.

#### For emergency responders

##### Personal protection equipment

See protective measures under point 7 and 8.

### 6.2 Environmental precautions

No special environmental measures are necessary.

### 6.3 Methods and material for containment and cleaning up

#### For cleaning up

No special measures are necessary.

### 6.4 Reference to other sections

None

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Keep/Store only in original container. Please note safety instructions and directions for use on the drum.

#### Protective measures

##### Measures to prevent fire

Usual measures for fire prevention. When using do not smoke.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep/Store only in original container. Keep container tightly closed. Keep in a cool, well-ventilated place. Do not store in temperatures below 5 °C.

#### Hints on joint storage

Store the foodstuffs separately.

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### DNEL/DMEL and PNEC values

There are no data available on the preparation itself.

##### DNEL/DMEL

Limit value type : DNEL Consumer (local) ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )

Exposure route : Inhalation

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Exposure frequency : Long-term (repeated)  
Limit value : 1,5 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (local) ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )

Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 1,5 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (local and systemic) ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )

Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 1,5 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (local and systemic) ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )

Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 1,5 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (systemic) ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )

Exposure route : Oral  
Exposure frequency : Long-term  
Limit value : 25 mg/kg  
Limit value type : DNEL Consumer (systemic) ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )

Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 1,5 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (systemic) ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )

Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 1,5 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (systemic) ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )

Exposure route : Oral  
Exposure frequency : Long-term (repeated)  
Limit value : 25 mg/kg  
Safety factor : 24 h  
Limit value type : DNEL worker (local) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )

Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 2,5 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local) (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )

Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 2,5 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local and systemic) ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )

Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 2,5 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local and systemic) ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )

Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 2,5 mg/m<sup>3</sup>

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Limit value type : DNEL worker (systemic) ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 2,5 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 2,5 mg/m<sup>3</sup>

### **PNEC**

Limit value type : PNEC aquatic, freshwater ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Exposure route : Water (Including sewage plant)  
Limit value : 2,8 mg/l  
Limit value type : PNEC aquatic, freshwater ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )  
Limit value : 2,2 mg/l  
Limit value type : PNEC aquatic, intermittent release ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Limit value : 1,6 mg/l  
Limit value type : PNEC aquatic, marine water ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Exposure route : Water (Including sewage plant)  
Limit value : 0,28 mg/l  
Limit value type : PNEC aquatic, marine water ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )  
Limit value : 0,22 mg/l  
Limit value type : PNEC (Industrial) ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )  
Exposure route : Soil  
Limit value : 0,72 mg/kg  
Limit value type : PNEC (Industrial) ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Exposure route : Soil  
Limit value : 0,95 mg/kg  
Limit value type : PNEC sewage treatment plant (STP) ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Exposure route : Water (Including sewage plant)  
Limit value : 57 mg/l  
Limit value type : PNEC sewage treatment plant (STP) ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )  
Limit value : 43 mg/l

## **8.2 Exposure controls**

### **Personal protection equipment**

#### **Eye/face protection**

Eye glasses with side protection

#### **Skin protection**

##### **Hand protection**

Short-term exposure (Level 2: < 30 min): disposable gloves to EN374 category III, e.g. nitrile rubber, material thickness 0.1 mm.

Long-term exposure (Level 6: < 480 min): protective gloves to EN374 category III, e.g. nitrile rubber, material thickness 0.7 mm.

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

##### **Body protection**

Body protection: not required.

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### Respiratory protection

No special measures are necessary.

### General health and safety measures

Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and after work. Separate storage of work clothes. When using do not eat, drink, smoke, sniff.

### Occupational exposure controls

#### Technical measures to prevent exposure

Provide adequate ventilation.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance :** liquid

**Colour :** colourless

**Odour :** odourless

#### Safety relevant basis data

<b>Melting point/melting range :</b>	( 1013 hPa )		No data available
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	ca.	100 °C
<b>Decomposition temperature :</b>	( 1013 hPa )		No data available
<b>Flash point :</b>			not applicable
<b>Ignition temperature :</b>			not applicable
<b>Lower explosion limit :</b>			not applicable
<b>Upper explosion limit :</b>			not applicable
<b>Vapour pressure :</b>	( 50 °C )		No data available
<b>Density :</b>	( 20 °C )		1,14 - 1,18 g/cm <sup>3</sup>
<b>Solvent separation test :</b>	( 20 °C )	<	3 %
<b>Water solubility :</b>	( 20 °C )		100 Wt %
<b>pH value :</b>			8 - 9
<b>log P O/W :</b>			No data available
<b>Flow time :</b>	( 20 °C )		150 - 240 s
<b>Odour threshold :</b>			No data available
<b>Maximum VOC content (EC) :</b>			0 Wt %
<b>Oxidising liquids :</b>			Not applicable.
<b>Explosive properties :</b>			Not applicable.
<b>Corrosive to metals :</b>			Not corrosive to metals.

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None, if handled according to order.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

### 10.3 Possibility of hazardous reactions

None, if handled according to order.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

No information available.

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### 10.6 Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

There are no data available on the mixture itself.

#### Acute effects

##### Acute oral toxicity

Parameter : LD50 ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 1780 - 2000 mg/kg  
Parameter : LD50 ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 2000 - 5000 mg/kg

##### Practical experience/human evidence

slightly irritant but not relevant for classification.

##### Acute inhalation toxicity

Parameter : LC50 ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : 1000 - 5000 mg/l  
Exposure time : 6 h  
Parameter : LC50 ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : > 1 - 5 mg/l  
Exposure time : 6 h

#### Irritant and corrosive effects

Rabbits eye: slightly to moderately irritating but not relevant for classification. OECD 405. OECD 437.

#### Sensitisation

No data available.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

No information available.

##### Carcinogenicity

Parameter : NOAEL(C) ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Exposure route : Oral  
Effective dose : 500 mg/kg  
Exposure time : 2160 h

### 11.5 Additional information

The classification was carried out according to the calculation method of Regulation No. (EC) 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

There are no data available on the preparation itself.

#### Acute (short-term) fish toxicity

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Parameter : LC50 ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Species : Lepomis macrochirus (Bluegill)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : 951 mg/l  
Exposure time : 96 h  
Parameter : LC50 ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )  
Species : Lepomis macrochirus (Bluegill)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : > 100 mg/l  
Exposure time : 96 h  
Parameter : LC50 ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Species : Leuciscus idus (golden orfe)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : 2040 mg/l  
Exposure time : 96 h

### Chronic (long-term) fish toxicity

Parameter : NOEC ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Species : Brachydanio rerio (zebra-fish)  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose :  $\geq 25,7$  mg/l  
Exposure time : 840 h  
Method : OECD 210  
Parameter : NOEC ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )  
Species : Brachydanio rerio (zebra-fish)  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose :  $\Rightarrow 36,9$  mg/l  
Exposure time : 840 h  
Method : OECD 210

### Acute (short-term) daphnia toxicity

Parameter : EC50 ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Acute (short-term) daphnia toxicity  
Effective dose : 140 mg/l  
Exposure time : 48 h  
Parameter : EC50 ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Acute (short-term) daphnia toxicity  
Effective dose : > 100 mg/l  
Exposure time : 48 h  
Method : DIN 38412 / part 11

### Chronic (long-term) daphnia toxicity

Parameter : NOEC ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Chronic (long-term) daphnia toxicity  
Effective dose : 25 mg/l  
Exposure time : 504 h

### Acute (short-term) algae toxicity

Parameter : EC50 ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Species : Algae  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : > 300 mg/l  
Exposure time : 72 h



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Parameter : EC50 ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )  
Species : Scenedesmus subspicatus  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : > 100 mg/l  
Exposure time : 72 h

### Sediment toxicity

#### Toxicity to soil macroorganisms

##### Acute earthworm toxicity

Parameter : LC50 ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Species : Acute earthworm toxicity  
Effective dose : 156 mg/kg  
Exposure time : 336 h  
Method : OECD 207

### Effects in sewage plants

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

Parameter : EC20 ( SODIUM ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT ; CAS No. : 139-33-3 )  
Inoculum : Activated sludge  
Effective dose : > 500 mg/l  
Method : OECD 209

## 12.2 Persistence and degradability

### Abiotic degradation

No data available.

### Biodegradation

All active agents are biodegradable at the dilution rates arising in the sewage system.

## 12.3 Bioaccumulative potential

No information available.

## 12.4 Mobility in soil

### Known or predicted distribution to environmental compartments

No data available

### Adsorption/Desorption

## 12.5 Results of PBT and vPvB assessment

No information available.

## 12.6 Other adverse effects

No information available.

## 12.7 Additional ecotoxicological information

Prevent from flowing into surface water/ground water.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product/Packaging disposal

##### Waste codes/waste designations according to EWC/AVV

##### Waste code product

Concentrate/larger quantities: 07 06 01\* aqueous cleaning liquid.

##### Waste treatment options

##### Appropriate disposal / Product

Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

##### Appropriate disposal / Package

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Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### 14.1 UN number

No dangerous goods in sense of this transport regulation.

#### 14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

#### 14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

#### 14.4 Packing group

No dangerous goods in sense of this transport regulation.

#### 14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

#### 14.6 Special precautions for user

None

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

not applicable

### SECTION 15: Regulatory information

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

**Approval Code:** HSR002558

**Group Standard:** Dental Products Subsidiary Hazard Group Standard 2020

#### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment has not been carried out.

### SECTION 16: Other information

#### 16.1 Indication of changes

02. Classification of the substance or mixture · 02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 03. Hazardous ingredients

#### 16.2 Abbreviations and acronyms

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimates

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CMR = Carcinogen, Mutagen or Reproductive toxicant

CO<sub>2</sub> = Carbon dioxide

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EC = European Commission

EC50 = Half maximal effective concentration

EN = European Standard (Norm)

EU = European Union

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

H statement = GHS Hazard statement

IATA = International Air Transport Association ICAO-TI = International Civil Aviation Organization-Technical Instructions

IMDG = International Maritime Dangerous Goods

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LC50 = Median lethal concentration  
LD50 = Median lethal dose  
LogPow = Logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
NOEC/NOEL = No observed effect concentration/level  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RMM = Risk Management Measure  
RRN = REACH Registration Number  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
SVHC = Substances of Very High Concern  
TLV/STEL = Threshold limit value/short-term exposure limit  
TLV/TWA = Threshold limit value/time weighted average  
UN = United Nations  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

No information available.

### 16.5 Relevant H- and EUH-phrases (Number and full text)

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.

### 16.6 Training advice

None

### 16.7 Additional information

Notice the directions for use on the label.

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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