

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sika® Permacor®-138 A/P Part B**



Revision Date: 19.08.2021  
Date of last issue: 23.07.2020

Version 8.0

Print Date 19.08.2021

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

### 1.1 Product identifier

Trade name : Sika® Permacor®-138 A/P Part B

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

Product use : Epoxy coating, For professional users only.

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

Company name of supplier : Sika Deutschland GmbH  
Kornwestheimer Str. 103-107  
D-70439 Stuttgart  
Telephone : +49 711 8009 0  
E-mail address of person responsible for the SDS : EHS@de.sika.com

### 1.4 Emergency telephone number

Emergency CONTACT (24-Hour-Number):  
GBK GmbH Global Regulatory Compliance +49(0)6132-84463

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

|  |   |
|--|---|
| Acute toxicity, Category 4                     | H302: Harmful if swallowed.                                 |
| Acute toxicity, Category 4                     | H332: Harmful if inhaled.                                   |
| Skin corrosion, Sub-category 1B                | H314: Causes severe skin burns and eye damage.              |
| Serious eye damage, Category 1                 | H318: Causes serious eye damage.                            |
| Skin sensitisation, Category 1                 | H317: May cause an allergic skin reaction.                  |
| Short-term (acute) aquatic hazard, Category 1  | H400: Very toxic to aquatic life.                           |
| Long-term (chronic) aquatic hazard, Category 1 | H410: Very toxic to aquatic life with long lasting effects. |

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)


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|                                |   |  |
|--------------------------------|---|--|
| Hazard pictograms              | : |    |
| Signal word                    | : | Danger   |
| Hazard statements              | : | H302 + H332 Harmful if swallowed or if inhaled.<br>H314 Causes severe skin burns and eye damage.<br>H317 May cause an allergic skin reaction.<br>H410 Very toxic to aquatic life with long lasting effects.  |
| Supplemental Hazard Statements | : | EUH071 Corrosive to the respiratory tract.   |
| Precautionary statements       | : | <b>Prevention:</b><br>P273 Avoid release to the environment.<br>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.<br><b>Response:</b><br>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.<br>P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.<br>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.<br>P391 Collect spillage. |

**Hazardous components which must be listed on the label:**

benzyl alcohol  
m-phenylenebis(methylamine)  
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane, reaction products with ethylenediamine

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Components**

| Chemical name  | CAS-No.<br>EC-No.<br>Registration number         | Classification  | Concentration<br>(% w/w) |
|--|--|---|--------------------------|
| benzyl alcohol   | 100-51-6<br>202-859-9<br>01-2119492630-38-XXXX   | Acute Tox. 4; H302<br>Acute Tox. 4; H332<br>Eye Irrit. 2; H319  | >= 40 - < 60             |
| Formaldehyde, polymer with 1,3-benzenedimethanamine and phenol   | 57214-10-5<br>500-137-0                          | Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410  | >= 25 - < 40             |
| m-phenylenebis(methylamine)  | 1477-55-0<br>216-032-5<br>01-2119480150-50-XXXX  | Acute Tox. 4; H302<br>Acute Tox. 4; H332<br>Skin Corr. 1B; H314<br>Skin Sens. 1; H317<br>Aquatic Chronic 3;<br>H412<br>EUH071 | >= 10 - < 20             |
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane, reaction products with ethylenediamine<br>Contains:<br>ethylenediamine <= 1 % | 72480-18-3<br>500-253-1<br>01-2120766318-46-XXXX | Acute Tox. 4; H302<br>Eye Dam. 1; H318<br>Skin Sens. 1; H317<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410        | >= 5 - < 10              |

For explanation of abbreviations see section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

- General advice : Move out of dangerous area.  
 Consult a physician.  
 Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
 Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
 Wash off with soap and plenty of water.  
 Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.

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- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Keep eye wide open while rinsing.
- If swallowed : Do not induce vomiting without medical advice.  
Rinse mouth with water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.

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

- Symptoms : Gastrointestinal discomfort  
Respiratory disorder  
Allergic reactions  
Headache  
Dermatitis  
See Section 11 for more detailed information on health effects and symptoms.
- Risks : Health injuries may be delayed.  
corrosive effects  
sensitising effects
- Harmful if swallowed or if inhaled.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
Corrosive to the respiratory tract.  
Causes severe burns.

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

- Treatment : Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.

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

- Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known



### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Deny access to unprotected persons.

### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for 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.

### 6.4 Reference to other sections

For personal protection see section 8.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8).  
Do not get in eyes, on skin, or on clothing.  
For personal protection see section 8.  
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Follow standard hygiene measures when handling chemical products

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Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

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

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Store in accordance with local regulations.

Storage class (TRGS 510) : 8A, Combustible, corrosive hazardous materials

Further information on storage stability : No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

Specific use(s) : Consult most current local Product Data Sheet prior to any use.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Occupational Exposure Limits**

| Components  | CAS-No.  | Value type (Form of exposure) | Control parameters * | Basis *     |
|---|----------|-------------------------------|----------------------|-------------|
| benzyl alcohol  | 100-51-6 | AGW (Vapour and aerosols)     | 5 ppm<br>22 mg/m3    | DE TRGS 900 |
| Peak-limit: excursion factor (category): 2;(I)  |          |                               |                      |             |
| Further information: Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., Sum of vapor and aerosols., Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child |          |                               |                      |             |

\*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

**8.2 Exposure controls**

**Engineering measures**

Maintain air concentrations below occupational exposure standards.  
 Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

Eye protection : Safety glasses with side-shields conforming to EN166  
 Eye wash bottle with pure water  
 Wear eye/face protection.

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- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.
- Suitable for short time use or protection against splashes:  
Butyl rubber/nitrile rubber gloves (> 0,1 mm)  
Contaminated gloves should be removed.  
Suitable for permanent exposure:  
Viton gloves (0.4 mm),  
breakthrough time >30 min.
- Skin and body protection** : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.
- Respiratory protection** : In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
organic vapor (Type A) and particulate filter  
A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm  
P1: Inert material; P2, P3: hazardous substances  
Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.  
Ensure adequate ventilation, especially in confined areas.

**Environmental exposure controls**

- General advice** : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

- Physical state : liquid  
Colour : yellow  
Odour : amine-like  
Boiling point/boiling range : > 107 °C  
Flash point : > 112 °C

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Method: closed cup

Auto-ignition temperature : No data available

pH : Not applicable  
substance/mixture is non-soluble (in water)

**Viscosity**

Viscosity, dynamic : ca. 300 mPa.s (25 °C)

Viscosity, kinematic : > 20,5 mm<sup>2</sup>/s (40 °C)

Vapour pressure : ca. 9,975 hPa (21 °C)

Density : ca. 1,1 g/cm<sup>3</sup> (20 °C)

**9.2 Other information**

No data available

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**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

The product is chemically stable.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : Stable under recommended storage conditions.

**10.4 Conditions to avoid**

Conditions to avoid : No data available

**10.5 Incompatible materials**

Materials to avoid : No data available

**10.6 Hazardous decomposition products**

No decomposition if stored and applied as directed.



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## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Harmful if swallowed or if inhaled.

#### Components:

##### benzyl alcohol:

Acute oral toxicity : LD50 Oral (Rat): 1.620 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 4,178 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

##### m-phenylenebis(methylamine):

Acute oral toxicity : LD50 Oral (Rat): 930 mg/kg

Acute inhalation toxicity : LC50 (Rat): 1,34 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: Corrosive to the respiratory tract.

Acute dermal toxicity : LD50 Dermal (Rat): > 3.100 mg/kg

#### Skin corrosion/irritation

Causes severe burns.

#### Serious eye damage/eye irritation

Causes serious eye damage.

#### Respiratory or skin sensitisation

##### Skin sensitisation

May cause an allergic skin reaction.

##### Respiratory sensitisation

Not classified based on available information.

##### Germ cell mutagenicity

Not classified based on available information.

##### Carcinogenicity

Not classified based on available information.

##### Reproductive toxicity

Not classified based on available information.

##### STOT - single exposure

Corrosive to the respiratory tract.

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**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Components:**

**benzyl alcohol:**

Toxicity to fish : LC50 (Fish): > 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

**m-phenylenebis(methylamine):**

Toxicity to fish : LC50 (Oryzias latipes (Japanese medaka)): > 10 - 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10 - 100 mg/l  
Exposure time: 48 h

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or

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very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Endocrine disrupting properties

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : In accordance with the EWC Waste Regulation the classification of waste is to be assigned to the jurisdiction of the origin of waste. Therefore, it is not possible to assign a particular waste identification number.  
Completely emptied packagings may be given for recycling. Empty packaging may still contain hazardous residues. Empty packaging should be removed by a licensed waste contractor. Sika has agreed disposal contracts for all packaging which is brought into circulation in Germany.  
For further details see [www.sika.de](http://www.sika.de)

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## SECTION 14: Transport information

### 14.1 UN number

ADR : UN 2735  
IMDG : UN 2735  
IATA : UN 2735

### 14.2 UN proper shipping name

ADR : AMINES, LIQUID, CORROSIVE, N.O.S.  
(m-phenylenebis(methylamine), Formaldehyde, polymer with 1,3-benzenedimethanamine and phenol)  
IMDG : AMINES, LIQUID, CORROSIVE, N.O.S.

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(m-phenylenebis(methylamine), Formaldehyde, polymer with 1,3-benzenedimethanamine and phenol)

**IATA** : Amines, liquid, corrosive, n.o.s.  
(m-phenylenebis(methylamine), Formaldehyde, polymer with 1,3-benzenedimethanamine and phenol)

### 14.3 Transport hazard class(es)

**ADR** : 8  
**IMDG** : 8  
**IATA** : 8

### 14.4 Packing group

**ADR**  
Packing group : III  
Classification Code : C7  
Hazard Identification Number : 80  
Labels : 8  
Tunnel restriction code : (E)

**IMDG**  
Packing group : III  
Labels : 8  
EmS Code : F-A, S-B

**IATA (Cargo)**  
Packing instruction (cargo aircraft) : 856  
Packing instruction (LQ) : Y841  
Packing group : III  
Labels : Corrosive

**IATA (Passenger)**  
Packing instruction (passenger aircraft) : 852  
Packing instruction (LQ) : Y841  
Packing group : III  
Labels : Corrosive

### 14.5 Environmental hazards

**ADR**  
Environmentally hazardous : yes

**IMDG**  
Marine pollutant : yes

**IATA (Passenger)**  
Environmentally hazardous : yes

**IATA (Cargo)**  
Environmentally hazardous : yes

### 14.6 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.

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Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable for product as supplied.

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**SECTION 15: Regulatory information**

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 3

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : None of the components are listed (=> 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH Information: All substances contained in our Products are  
- registered by our upstream suppliers, and/or  
- registered by us, and/or  
- excluded from the regulation, and/or  
- exempted from the registration.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E1 ENVIRONMENTAL HAZARDS

Water hazard class (Germany) : WGK 2 obviously hazardous to water  
Classification according to AwSV, Annex 1 (5.2)

|| Volatile organic compounds : Law on the incentive tax for volatile organic compounds (VOCV)  
Volatile organic compounds (VOC) content: 41% w/w

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Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 41% w/w

### Other regulations:

Product is no subject to the Chemicals Prohibition Ordinance.

### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

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## SECTION 16: Other information

### Full text of H-Statements

|      |   |   |
|------|---|---|
| H302 | : | Harmful if swallowed.                                 |
| H314 | : | Causes severe skin burns and eye damage.              |
| H317 | : | May cause an allergic skin reaction.                  |
| H318 | : | Causes serious eye damage.                            |
| H319 | : | Causes serious eye irritation.                        |
| H332 | : | Harmful if inhaled.                                   |
| H400 | : | Very toxic to aquatic life.                           |
| H410 | : | Very toxic to aquatic life with long lasting effects. |
| H412 | : | Harmful to aquatic life with long lasting effects.    |

### Full text of other abbreviations

|                   |   |  |
|-------------------|---|--|
| Acute Tox.        | : | Acute toxicity   |
| Aquatic Acute     | : | Short-term (acute) aquatic hazard  |
| Aquatic Chronic   | : | Long-term (chronic) aquatic hazard   |
| Eye Dam.          | : | Serious eye damage   |
| Eye Irrit.        | : | Eye irritation   |
| Skin Corr.        | : | Skin corrosion   |
| Skin Sens.        | : | Skin sensitisation   |
| DE TRGS 900       | : | Germany. TRGS 900 - Occupational exposure limit values.  |
| DE TRGS 900 / AGW | : | Time Weighted Average  |
| ADR               | : | European Agreement concerning the International Carriage of Dangerous Goods by Road  |
| CAS               | : | Chemical Abstracts Service   |
| DNEL              | : | Derived no-effect level  |
| EC50              | : | Half maximal effective concentration   |
| GHS               | : | Globally Harmonized System   |
| IATA              | : | International Air Transport Association  |
| IMDG              | : | International Maritime Code for Dangerous Goods  |
| LD50              | : | Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals) |
| LC50              | : | Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)   |
| MARPOL            | : | International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978                          |

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|       |   |  |
|-------|---|--|
| OEL   | : | Occupational Exposure Limit  |
| PBT   | : | Persistent, bioaccumulative and toxic  |
| PNEC  | : | Predicted no effect concentration  |
| REACH | : | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency |
| SVHC  | : | Substances of Very High Concern  |
| vPvB  | : | Very persistent and very bioaccumulative   |

**Further information**

**Classification of the mixture:**

|                   |      |
|-------------------|------|
| Acute Tox. 4      | H302 |
| Acute Tox. 4      | H332 |
| Skin Corr. 1B     | H314 |
| Eye Dam. 1        | H318 |
| Skin Sens. 1      | H317 |
| Aquatic Acute 1   | H400 |
| Aquatic Chronic 1 | H410 |

**Classification procedure:**

|                    |
|--------------------|
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

|| Changes as compared to previous version !

DE / EN