

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 641000  
Print date: 23.01.2024  
Version: 3.3

Special Polyester Lacquer  
Revision date: 23.01.2024  
Issue date: 04.01.2024

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

1.1. **product identifiers**

Article No. (manufacturer/supplier) 641000  
Trade name/designation Special Polyester Lacquer  
UFI: UH0C-3VW7-N20H-T31T

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

**Relevant identified uses:**

Polyester mastic

**Uses advised against:**

Do not use for products which come into contact with the food stuffs.

1.3. **Details of the supplier of the safety data sheet**

**Manufacturer/supplier**

Heinrich König GmbH & Co. KG  
An der Rosenhelle 5  
61138 Niederdorfelden  
Germany

Telephone: +49 (0)6101 5360 0  
Telefax: +49 (0)6101 5360 11  
E-mail: Info@heinrich-koenig.de  
Website: www.heinrich-koenig.de

**Department responsible for information:**

Laboratory Telephone: +49 (0)6101 5360 71  
Only available during office hours: Mon - Thurs 08:00 to 16:00  
Friday 08:00 - 12:30

E-mail (competent person)

SDB@heinrich-koenig.de

1.4. **Emergency telephone number**

Emergency telephone number  
Emergency CONTACT (24-Hour-Number): GBK  
GmbH +49 (0)6132-84463

**SECTION 2: Hazards identification**

2.1. **Classification of the substance or mixture**

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

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Repr. 2 / H361d	Reproductive toxicity	Suspected of damaging the unborn child.
STOT RE 1 / H372	STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

2.2. **Label elements**

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

**Hazard pictograms**



**Danger**

**Hazard statements**

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H361d Suspected of damaging the unborn child.  
H372 Causes damage to organs through prolonged or repeated exposure.

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260 Do not breathe vapour.  
P280 Wear protective gloves and eye/face protection.  
P370 + P378 In case of fire: Use foam to extinguish.

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P403 + P235 Store in a well-ventilated place. Keep cool.

**Hazard components for labelling**

maleic anhydride  
Styrene

**Supplemental hazard information**

not determined

2.3. **Other hazards**

No information available.

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

3.2. **Mixtures**

**Description** 2-Component filler

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

EC No. CAS No. Index No.	REACH No. Designation classification // Remark	weight-%
202-851-5 100-42-5 601-026-00-0	01-2119457861-32-xxxx Styrene Flam. Liq. 3 H226 / Repr. 2 H361d / Acute Tox. 4 H332 / STOT RE 1 H372 / Skin Irrit. 2 H315 / Eye Irrit. 2 H319 Acute toxicity estimate (ATE): ATE (inhalation, vapour): 12,00 mg/L	25 < 50
203-571-6 108-31-6 607-096-00-9	01-2119472428-31-xxxx maleic anhydride Acute Tox. 4 H302 / STOT RE 1 H372 / Skin Corr. 1B H314 / Eye Dam. 1 H318 / Resp. Sens. 1 H334 / Skin Sens. 1A H317 / EUH071 Specific concentration limit (SCL): Skin Sens. 1A H317 >= 0,001 Acute toxicity estimate (ATE): ATE (oral): 1090 mg/kg bw	< 0,0015

**Additional information**

Full text of classification: see section 16

**SECTION 4: First aid measures**

4.1. **Description of first aid measures**

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

**In case of inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

**Following skin contact**

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

**After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**Following ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2. **Most important symptoms and effects, both acute and delayed**

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. **Indication of any immediate medical attention and special treatment needed**

First Aid, decontamination, treatment of symptoms.

**SECTION 5: Firefighting measures**

5.1. **Extinguishing media**

**Suitable extinguishing media:**

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alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

## Unsuitable extinguishing media

strong water jet

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

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

### 5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

## SECTION 6: Accidental release measures

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

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

### 6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

#### Further information

Vapours are heavier than air. Vapours form explosive mixtures with air.

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

#### Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

#### Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

#### Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

### 7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit values:

not determined

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**DNEL:**

Styrene

Index No. 601-026-00-0 / EC No. 202-851-5 / CAS No. 100-42-5

- DNEL short-term oral (acute), Workers: 306 mg/kg
- DNEL long-term dermal (systemic), Workers: 406 mg/kg
- DNEL acute inhalative (local), Workers: 289 mg/m<sup>3</sup>
- DNEL acute inhalative (systemic), Workers: 289 mg/m<sup>3</sup>
- DNEL long-term inhalative (systemic), Workers: 85 mg/m<sup>3</sup>
- DNEL long-term oral (repeated), Consumer: 2,1 mg/kg
- DNEL long-term dermal (systemic), Consumer: 343 mg/kg
- DNEL acute inhalative (local), Consumer: 174,25 mg/m<sup>3</sup>
- DNEL long-term inhalative (systemic), Consumer: 10,2 mg/m<sup>3</sup>

maleic anhydride

Index No. 607-096-00-9 / EC No. 203-571-6 / CAS No. 108-31-6

- DNEL acute inhalative (local), Workers: 0,2 mg/m<sup>3</sup>
- DNEL acute inhalative (systemic), Workers: 0,2 mg/m<sup>3</sup>
- DNEL long-term inhalative (local), Workers: 0,081 mg/m<sup>3</sup>
- DNEL long-term inhalative (systemic), Workers: 0,081 mg/m<sup>3</sup>

**PNEC:**

Styrene

Index No. 601-026-00-0 / EC No. 202-851-5 / CAS No. 100-42-5

- PNEC aquatic, freshwater: 0,028 mg/L
- PNEC aquatic, marine water: 0,014 mg/L
- PNEC aquatic, intermittent release: 0,04 mg/L
- PNEC sediment, freshwater: 0,614 mg/kg
- PNEC sediment, marine water: 0,307 mg/kg
- PNEC, soil: 0,2 mg/kg
- PNEC sewage treatment plant (STP): 5 mg/L

**8.2. Exposure controls**

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

**Personal protection equipment**

**Respiratory protection**

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.

Suitable respiratory protection apparatus: A

**Hand protection**

For prolonged or repeated handling the following glove material must be used: FKM (fluoro rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time: > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

**Eye/face protection**

Wear closely fitting protective glasses in case of splashes.

**Body protection**

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

**Protective measures**

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

**Environmental exposure controls**

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

**SECTION 9: Physical and chemical properties**

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

\*

**Physical state:**

**Liquid**

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<b>Colour:</b>	<b>colourless</b>
<b>Odour:</b>	<b>characteristic</b>
<b>Odour threshold:</b>	<b>not determined</b>
<b>Melting point/freezing point:</b>	<b>n.a.</b>
<b>Initial boiling point and boiling range:</b>	<b>145 °C</b> Method: calculated.
<b>Flammability:</b>	Flammable liquid and vapour.
<b>Lower and upper explosion limit:</b>	
<b>Lower explosion limit:</b>	<b>1,2 Vol-%</b> Method: calculated.
<b>Upper explosion limit:</b>	<b>8,9 Vol-%</b> Method: calculated.
<b>Flash point:</b>	<b>32 °C</b> Method: calculated.
<b>Auto-ignition temperature:</b>	<b>480 °C</b> Method: DIN 51794
<b>Decomposition temperature:</b>	<b>not determined</b>
<b>pH at 20 °C:</b>	<b>not applicable</b>
<b>Kinematic viscosity (20°C)</b>	<b>&lt; 400 mm<sup>2</sup>/s</b>
<b>Viscosity at 20 °C:</b>	<b>85 s 4 mm</b> Method: DIN 53211
<b>Solubility(ies):</b>	
<b>Water solubility at 20 °C:</b>	<b>insoluble</b>
<b>Partition coefficient: n-octanol/water:</b>	<b>see section 12</b>
<b>Vapour pressure at 20 °C:</b>	<b>6 mbar</b> Method: calculated.
<b>Density and/or relative density:</b>	
<b>Density at 20 °C:</b>	<b>1,11 g/cm<sup>3</sup></b> Method: calculated.
<b>Relative vapour density:</b>	<b>not determined</b>
<b>particle characteristics:</b>	<b>not applicable</b>
9.2. <b>Other information</b>	
<b>Solid content:</b>	<b>100,00 weight-%</b>
<b>solvent content:</b>	
<b>Organic solvents:</b>	<b>0 weight-%</b>
<b>Water:</b>	<b>0 weight-%</b>
<b>Solvent separation test:</b>	<b>&lt; 3 weight-% (ADR/RID)</b>

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

### 10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

### 10.4. Conditions to avoid

Hazardous decomposition byproducts may form with exposure to high temperatures.

### 10.5. Incompatible materials

not applicable

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**10.6. Hazardous decomposition products**

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

**SECTION 11: Toxicological information**

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

**Acute toxicity**

Styrene

oral, LD50, Rat: 2650 mg/kg  
inhalative (vapours), LC50, Rat: 12 mg/L (4 h)  
Harmful if inhaled.

maleic anhydride

oral, LD50, Rat: 1090 mg/kg ; Evaluation Harmful if swallowed.  
Method: OECD 401  
dermal, LD50, Rabbit: 2620 mg/kg

**Skin corrosion/irritation; Serious eye damage/eye irritation**

Causes skin irritation.

Causes serious eye irritation.

Styrene

Skin (4 h)

Prolonged or repeated contact with the preparation can lead to irritations of mucous membranes and of skin such as redness, formation of blebs, dermatitis, etc.; Irritating to skin.

eyes

Irritation

maleic anhydride

Skin (4 h)

Method: OECD 404

Causes severe skin burns and eye damage.

eyes

Method: OECD 405

Causes serious eye damage.

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

maleic anhydride

Skin: ; Evaluation May cause an allergic skin reaction.

Method: OECD 429

Respiratory system: ; Evaluation May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

Suspected of damaging the unborn child.

Styrene

Reproductive toxicity

Suspected of damaging the unborn child.

**STOT-single exposure; STOT-repeated exposure**

Causes damage to organs through prolonged or repeated exposure.

Styrene

Specific target organ toxicity (single exposure), Irritation

May cause respiratory irritation.

Specific target organ toxicity (repeated exposure)

Causes damage to organs through prolonged or repeated exposure.

maleic anhydride

Specific target organ toxicity (repeated exposure) Evaluation Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

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Styrene  
Aspiration hazard  
May be fatal if swallowed and enters airways.

**Practical experience/human evidence**

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

**Overall assessment on CMR properties**

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

11.2. **Information on other hazards**

**Endocrine disrupting properties**

No information available.

**SECTION 12: Ecological information**

Classification according to Regulation (EC) No 1272/2008 [CLP]  
Do not allow to enter into surface water or drains.

12.1. **Toxicity**

Styrene

Fish toxicity, LC50, *Lepomis macrochirus* (Bluegill): 25 mg/L (96 h)  
Daphnia toxicity, EC50, *Daphnia magna* (Big water flea): 4,7 mg/L (48 h)  
Fish toxicity, LC50, *Pimephales promelas* (fathead minnow): 32 mg/L (96 h)  
Algae toxicity, IC50, *Pseudokirchneriella subcapitata*: 0,72 mg/L (96 h)  
Based on available data the classification criteria are not met.

**Long-term Ecotoxicity**

Styrene

Fish toxicity, LC50 (96 h)  
Harmful to aquatic life with long lasting effects.

12.2. **Persistence and degradability**

Styrene

Biodegradation, OECD 301D/ EEC 92/69/V, C.4-E: 80 % (20 D)  
Readily biodegradable (according to OECD criteria).

12.3. **Bioaccumulative potential**

Styrene

Partition coefficient: n-octanol/water: 2,95 - 3,16  
Method: OECD 107  
Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

12.4. **Mobility in soil**

Styrene

:  
No information available.

12.5. **Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. **Endocrine disrupting properties**

No information available.

12.7. **Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

13.1. **Waste treatment methods**

**Appropriate disposal / Product  
Recommendation**

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Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

#### List of proposed waste codes/waste designations in accordance with EWC

080111\* Waste paint and varnish containing organic solvents or other dangerous substances

\*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

#### Appropriate disposal / Package

##### Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

## SECTION 14: Transport information

### 14.1. UN number or ID number

UN 1866

### 14.2. UN proper shipping name

Land transport (ADR/RID): Resin solution  
Sea transport (IMDG): RESIN SOLUTION  
Air transport (ICAO-TI / IATA-DGR): Resin solution

### 14.3. Transport hazard class(es)

Land transport (ADR/RID): NO GOODS OF CLASS 3  
FOR CONTAINERS > 450 l Class 3  
Sea transport (IMDG)  
for packages < = 450 litres: 3  
Transport in accordance with the provisions of paragraph 2.3.2.5 of the  
IMDG Cod e.  
Air transport (ICAO-TI / IATA-DGR) 3

### 14.4. Packing group

III

### 14.5. Environmental hazards

Land transport (ADR/RID) not determined  
Marine pollutant not determined

### 14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

#### Further information

##### Land transport (ADR/RID)

Tunnel restriction code D/E

##### Sea transport (IMDG)

EmS-No. F-E, S-E

##### Polyester resin multi-component systems

For polyester resin multi-component systems (base + hardener), UN number 3269 must be used in accordance with GGVS / ADR and IMDG code.

### 14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

## SECTION 15: Regulatory information

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

#### EU legislation

##### Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

Maximum VOC content of the product in a ready to use condition (in g/L): 0

#### National regulations

##### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.  
Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).



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## Substance/product listed in the following inventories:

DSL listed  
TSCA listed

## REACH candidate list of substances of very high concern (SVHC) for the approval process.

According to the available data and / or according to the information provided by the suppliers, the product does not contain any substance that is eligible for inclusion in Annex XIV (list of substances subject to authorization) in accordance with Article 57 in conjunction with Article 59 of REACH.

## Regulation (EC) 1907/2006. material in question applies. Regulation (EC) 1907/2006 (REACH) Annex XIV (list of substances subject to authorization)

According to the available data and / or according to the information provided by the suppliers, the product does not contain any substance that is considered to be a substance that requires authorization according to REACH Regulation (EC) 1907/2006 Annex XIV.

## 15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

EC No. CAS No.	Designation	REACH No.
202-851-5 100-42-5	Styrene	01-2119457861-32-xxxx
203-571-6 108-31-6	maleic anhydride	01-2119472428-31-xxxx

## SECTION 16: Other information

### Full text of classification in section 3

Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
Repr. 2 / H361d	Reproductive toxicity	Suspected of damaging the unborn child.
Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.
STOT RE 1 / H372	STOT-repeated exposure	Causes damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Skin Corr. 1B / H314	Skin corrosion/irritation	Causes severe skin burns and eye damage.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Resp. Sens. 1 / H334	Respiratory or skin sensitisation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1A / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.

### Classification procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 3	Flammable liquids	On basis of test data.
Skin Irrit. 2	Skin corrosion/irritation	Calculation method.
Eye Irrit. 2	Serious eye damage/eye irritation	Calculation method.
Skin Sens. 1	Respiratory or skin sensitisation	Calculation method.
Repr. 2	Reproductive toxicity	Calculation method.
STOT RE 1	STOT-repeated exposure	Calculation method.

### Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard

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IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

**Further information**

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

You can also find current SDSs for our standard products online on our homepage under **Downloads** in the relevant product area.

\* Data changed compared with the previous version