

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



Article No.: KP709054GZ10 SolvSeal SportMarking Color  
Print date: 22.01.2021 Revision date: 22.01.2021 EN  
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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. product identifiers**

Article No. (manufacturer/supplier) KP709054GZ10  
Trade name/designation SolvSeal SportMarking Color  
Schwarz  
Stat.Warennummer: 3208.10.900

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

**Relevant identified uses:**

paint and/or paint related material  
Reserved for industrial and professional use.

**Uses advised against:**

Do not use for injecting or spraying.

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

**supplier (manufacturer/importer/downstream user/distributor)**

Berger-Seidle GmbH  
Parkettlacke - Klebstoffe - Bauchemie Telephone: +49 6359 / 8005-0  
Maybachstraße 2 Telefax: +49 6359 / 8005-170  
67269 Grünstadt  
Germany

**Department responsible for information:**

Laboratory  
E-mail Sicherheitsdaten@berger-seidle.de

**1.4. Emergency telephone number**

24-hour emergency number: +49 700 24112112  
(BLG)  
24-hour emergency number in side USA: +11 49 700 24112112 (BLG)  
UFI: 8M00-Q0M6-200C-F39E

**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.                       |
| STOT SE 3 / H336         | STOT-single exposure                 | May cause drowsiness or dizziness.                 |
| Aquatic Chronic 3 / H412 | Hazardous to the aquatic environment | Harmful to aquatic life with long lasting effects. |

**2.2. Label elements**

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

**Hazard pictograms**



**Warning**

**Hazard statements**

H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P370 + P378 In case of fire: Use extinguishing powder or sand to extinguish.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P403 + P235 Store in a well-ventilated place. Keep cool.

**Hazard components for labelling**

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

**Supplemental hazard information**

EUH066 Repeated exposure may cause skin dryness or cracking.  
EUH208 Contains 2-butanone oxime; Fatty acids, C14-18 and C16-18-unsatd., maleated. May produce an

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allergic reaction.

**2.3. Other hazards**

Spontaneous ignition possible through autoxidation of cloths soaked in the product. (The same applies to dust and other paint-soaked items). The product itself is not self ignitive.

**Other information**

**Read label before use. If medical advice is needed, have product container or label at hand. Keep out of reach of children.**

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

**3.2. Mixtures**

**Description** Oil epoxy resin sealants, high in solvents, aromatics removed

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

| EC No.<br>CAS No.<br>Index No.                       | REACH No.<br>Designation<br>classification // Remark  | weight-%   |
|--|---|------------|
| 265-150-3<br>64742-48-9<br>649-327-00-6<br>927-241-2 | 01-2119463258-33-XXXX<br>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics<br>Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H336<br>01-2119471843-32-XXXX<br>Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics<br>Skin Irrit. 3 H316 / STOT SE 3 H336 / Asp. Tox. 1 H304 / Aquatic Acute 3<br>H402 / Aquatic Chronic 3 H412 / Flam. Liq. 3 H226 | 25 - 50    |
| 265-199-0<br>64742-95-6<br>649-356-00-4              | 01-2119455851-35-XXXX<br>Hydrocarbons, C9, aromatics<br>STOT SE 3 H335 / STOT SE 3 H336 / Asp. Tox. 1 H304 / Aquatic Chronic<br>2 H411 / Flam. Liq. 3 H226  | 2,5 - 5    |
| 259-370-9<br>54839-24-6<br>603-177-00-8              | 01-2119475116-39-XXXX<br>2-ethoxy-1-methylethyl acetate<br>Flam. Liq. 3 H226 / STOT SE 3 H336   | 1 - 2,5    |
| 245-018-1<br>22464-99-9                              | 01-2119979088-21-XXXX<br><br>Repr. 2 H361   | 0,5 - 1    |
| 202-496-6<br>96-29-7<br>616-014-00-0                 | 01-2119539477-28-XXXX<br>2-butanone oxime<br>Carc. 2 H351 / Acute Tox. 4 H312 / Eye Dam. 1 H318 / Skin Sens. 1<br>H317  | 0,25 - 0,5 |
| 288-306-2<br>85711-46-2                              | 01-2119976378-19-XXXX<br>Fatty acids, C14-18 and C16-18-unsatd., maleated<br>Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / Skin Sens. 1 H317   | 0,1 - 0,25 |

**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.

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**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:**

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.

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#### 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 25 °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:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics  
Index No. 649-327-00-6 / EC No. 265-150-3 / CAS No. 64742-48-9

WEL, TWA: 800 mg/m<sup>3</sup>

Remark: (> or = C7, Cycloalkanes)

WEL, TWA: 1200 mg/m<sup>3</sup>

Remark: (> or = C7, Normal and branched chain alkanes)

WEL, TWA: 1200 mg/m<sup>3</sup>

Remark: (> or = C7, Normal and branched chain alkanes)

WEL, TWA: 1200 mg/m<sup>3</sup>

Remark: (> or = C7, Normal and branched chain alkanes)

Hydrocarbons, C9, aromatics

Index No. 649-356-00-4 / EC No. 265-199-0 / CAS No. 64742-95-6

WEL, TWA: 500 mg/m<sup>3</sup>

Remark: (Aromatics)

##### Additional information

TWA : Long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

##### DNEL:

Hydrocarbons, C9, aromatics

Index No. 649-356-00-4 / EC No. 265-199-0 / CAS No. 64742-95-6

DNEL long-term dermal (systemic), Workers: 25 mg/kg

DNEL long-term inhalative (systemic), Workers: 150 mg/m<sup>3</sup>

DNEL long-term oral (repeated), Consumer: 11 mg/kg

DNEL long-term dermal (systemic), Consumer: 11 mg/kg

DNEL long-term inhalative (systemic), Consumer: 32 mg/m<sup>3</sup>

Fatty acids, C14-18 and C16-18-unsatd., maleated

EC No. 288-306-2 / CAS No. 85711-46-2

DNEL long-term dermal (systemic), Workers: 3,33 mg/kg

##### PNEC:

Fatty acids, C14-18 and C16-18-unsatd., maleated

EC No. 288-306-2 / CAS No. 85711-46-2

PNEC sewage treatment plant (STP): 100 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. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

##### **Hand protection**

For prolonged or repeated handling the following glove material must be used: Butyl caoutchouc (butyl 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

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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**

**Appearance:**

**Physical state:** Liquid  
**Colour:** black

**Odour:** characteristic

**Odour threshold:** not applicable

**pH at 20 °C:** not applicable

**Melting point/freezing point:** not applicable

**Initial boiling point and boiling range:** 110 °C

Source: Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

**Flash point:** 24 °C

**Evaporation rate:** not applicable

**flammability**

**Burning time:** not applicable

**Upper/lower flammability or explosive limits:**

**Lower explosion limit:** 1 Vol-%

**Upper explosion limit:** 9,8 Vol-%

Source: 2-ethoxy-1-methylethyl acetate

**Vapour pressure at 20 °C:** 10 mbar

Method: calculated.

Source: Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

**Vapour density:** not applicable

**Relative density:**

**Density at 20 °C:** 0,92 g/cm<sup>3</sup>

**Solubility(ies):**

**Water solubility at 20 °C:** insoluble

**Partition coefficient: n-octanol/water:** see section 12

**Auto-ignition temperature:** 200 °C

Source: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

**Decomposition temperature:** not applicable

**Viscosity at 20 °C:** 95 s 4 mm

Method: DIN 53211

**Explosive properties:** not applicable

**Oxidising properties:** not applicable

**9.2. Other information**

**Solvent separation test:** < 3 weight-% (ADR/RID)

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## 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

### 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

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

No data on preparation itself available.

### 11.1. Information on toxicological effects

#### Acute toxicity

2-ethoxy-1-methylethyl acetate

oral, LD50, Rat: 4755 mg/kg

dermal, LD50, Rabbit: 13,42 mg/kg

inhalative (vapours), LC50, Rat: 6,99 mg/L (4 h)

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

oral, LD50, Rat: > 5000 mg/kg

Method: OECD 401

dermal, LD50, Rabbit: > 5000 mg/kg

Method: OECD 402

inhalative (vapours), LC50, Rat: > 4951 mg/L (4 h)

Method: OECD 403

Hydrocarbons, C9, aromatics

oral, LD50, Rat: > 2000 mg/kg

dermal, LD50, Rabbit: > 2000 mg/kg

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

oral, LD50, Rat: > 5000 mg/kg

Method: OECD 401

dermal, LD50, Rabbit: > 2000 mg/kg

Fatty acids, C14-18 and C16-18-unsatd., maleated

oral, LD50, Rat: > 2000 mg/kg

Method: OECD 423

female

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

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics  
eyes

Hydrocarbons, C9, aromatics

Skin

Repeated exposure may cause skin dryness or cracking.

#### Respiratory or skin sensitisation

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

: ; Evaluation No sensitising effect known

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

2-butanone oxime



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Carcinogenicity  
Reproductive toxicity

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

May cause drowsiness or dizziness.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics  
Specific target organ toxicity (single exposure), drowsiness

Hydrocarbons, C9, aromatics  
Specific target organ toxicity (single exposure), Irritation Evaluation May cause respiratory irritation.  
Specific target organ toxicity (single exposure), drowsiness Evaluation May cause drowsiness or dizziness.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics  
Specific target organ toxicity (single exposure)

**Aspiration hazard**

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics  
Aspiration hazard

Hydrocarbons, C9, aromatics  
Aspiration hazard

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics  
Aspiration hazard

**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.

**SECTION 12: Ecological information**

Classification according to Regulation (EC) No 1272/2008 [CLP]  
There is no information available on the preparation itself .  
Do not allow to enter into surface water or drains.

**12.1. Toxicity**

2-ethoxy-1-methylethyl acetate

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 140 mg/L (96 h)  
Daphnia toxicity, EC50, Daphnia magna (Big water flea): 110 mg/L (48 h)  
Bacteria toxicity, EC10, Pseudomonas putida: 560 mg/L (16 h)

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics  
Daphnia toxicity, EL50, Daphnia magna (Big water flea) 22 - 46 mg/L (48 h)  
Algae toxicity, EL50, Pseudokirchneriella subcapitata: > 1000 mg/L (72 h)  
Algae toxicity, NOELR, Pseudokirchneriella subcapitata: < 1 mg/L (72 h)  
Fish toxicity, LL50, Oncorhynchus mykiss (Rainbow trout) 10 - 30 mg/L (96 h)

Hydrocarbons, C9, aromatics  
Daphnia toxicity, EC50 1 - 10 mg/L (48 h); Evaluation estimated  
Fish toxicity, LC50 1 - 10 mg/L; Evaluation estimated  
Algae toxicity, EC50 1 - 10 mg/L; Evaluation estimated  
Bacteria toxicity, EC50: > 100 mg/L ; Evaluation estimated

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics  
Fish toxicity, LC50 (96 h)  
Algae toxicity, EL50: > 1000 mg/L (72 h)  
Method: OECD 201  
Daphnia toxicity, EL50: > 1000 mg/L (48 h)  
Method: OECD 202  
Fish toxicity, CL50: > 100 mg/L (96 h)  
Method: OECD 202

Fatty acids, C14-18 and C16-18-unsatd., maleated

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Fish toxicity, LC50, Leuciscus idus (golden orfe): > 150 mg/L (96 h); Evaluation static test  
Method: DIN 38412  
Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 100 mg/L (48 h); Evaluation semistatic  
Method: OECD 202  
Algae toxicity, ErC50, Pseudokirchneriella subcapitata: > 100 mg/L ; Evaluation semistatic  
Method: OECD 201  
Bacteria toxicity, EC50, Activated sludge: > 1000 mg/L (3 h); Evaluation static test  
Method: OECD 209

**Long-term Ecotoxicity**

Harmful to aquatic life with long lasting effects.

Hydrocarbons, C9, aromatics

Fish toxicity, LC50 (96 h)

Daphnia toxicity, NOEC

**12.2. Persistence and degradability**

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics  
: 89 % (28 D)

Hydrocarbons, C9, aromatics

:

**12.3. Bioaccumulative potential**

Toxicological data are not available.

**12.4. Mobility in soil**

Toxicological data are not 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. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Appropriate disposal / Product**

**Recommendation**

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**

UN 1263

**14.2. UN proper shipping name**

Land transport (ADR/RID):

Paint

Sea transport (IMDG):

PAINT

Air transport (ICAO-TI / IATA-DGR):

Paint

**14.3. Transport hazard class(es)**

Land transport (ADR/RID):

KEINE GÜTER DER KLASSE 3

bunch > 450 l class 3

Sea transport (IMDG)

3

for packages < = 450 litres

Transport in accordance with 2.3.2.5 of the IMDG Code.

Air transport (ICAO-TI / IATA-DGR)

3

**14.4. Packing group**

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**14.5. Environmental hazards**

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

**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

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

not applicable

**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]**

VOC-value (in g/L) ISO 11890-2: 453

VOC-value (in g/L) ASTM D2369: 453

**Directive 2004/42/EC on the limitation of emissions of volatile organic compounds**

VOC product category: (Cat. A/i) ; VOC limit value: 500 g/l

Maximum VOC content (g/L) of the product in a ready to use condition: 453

**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 juvenils according to the 'juvenile work protection guideline' (94/33/EC).

MAL-Kode (MAL Kode ready-to-use): 3-3

PR-No.:

**15.2. Chemical Safety Assessment**

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

**SECTION 16: Other information**

**Full text of classification in section 3**

|                          |                                      |   |
|--------------------------|--------------------------------------|---|
| Flam. Liq. 3 / H226      | Flammable liquids                    | Flammable liquid and vapour.  |
| Asp. Tox. 1 / H304       | Aspiration hazard                    | May be fatal if swallowed and enters airways.   |
| STOT SE 3 / H336         | STOT-single exposure                 | May cause drowsiness or dizziness.  |
| Skin Irrit. 3 / H316     | Skin corrosion/irritation            | Causes mild skin irritation.  |
| Aquatic Acute 3 / H402   | Hazardous to the aquatic environment | Harmful to aquatic organisms.   |
| Aquatic Chronic 3 / H412 | Hazardous to the aquatic environment | Harmful to aquatic life with long lasting effects.  |
| STOT SE 3 / H335         | STOT-single exposure                 | May cause respiratory irritation.   |
| Aquatic Chronic 2 / H411 | Hazardous to the aquatic environment | Toxic to aquatic life with long lasting effects.  |
| Repr. 2 / H361           | Reproductive toxicity                | Suspected of damaging the unborn child.   |
| Carc. 2 / H351           | Carcinogenicity                      | Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). |
| Acute Tox. 4 / H312      | Acute toxicity (dermal)              | Harmful in contact with skin.   |
| Eye Dam. 1 / H318        | Serious eye damage/eye irritation    | Causes serious eye damage.  |
| Skin Sens. 1 / H317      | Respiratory or skin sensitisation    | May cause an allergic skin reaction.  |
| Skin Irrit. 2 / H315     | Skin corrosion/irritation            | Causes skin irritation.   |
| Eye Irrit. 2 / H319      | Serious eye damage/eye irritation    | Causes serious eye irritation.  |

**Classification procedure**

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

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**  
**according to Regulation (EU) 2015/830**



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|                   |                                      |                        |
|-------------------|--------------------------------------|------------------------|
| Flam. Liq. 3      | Flammable liquids                    | On basis of test data. |
| STOT SE 3         | STOT-single exposure                 | Calculation method.    |
| Aquatic Chronic 3 | Hazardous to the aquatic environment | 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   |
| 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.