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

**1.1 Product identifier**

**AUTOL Desolite B**

Art.: 1131

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

Relevant identified uses of the substance or mixture:

System cleaner for vehicle fuel units (petrol engines)

Sector of use [SU]:

SU 0 - Other

SU21 - Consumer uses: Private households (=general public = consumers)

**Uses advised against:**

No information available at present.

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

Eni Schmiertechnik GmbH, Paradiesstraße 14, 97080 Würzburg, Germany

Phone: 0931/9 00 98-0, Fax: 0931/9 84 42

www.enischmiertechnik.de

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

**1.4 Emergency telephone number**

Emergency information services / official advisory body:

+49 228 19240 (D-53113 Bonn, 24 hour)

Telephone number of the company in case of emergencies:

---

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) 1272/2008 (CLP)

<table>
<thead>
<tr>
<th>Hazard class</th>
<th>Hazard category</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asp. Tox.</td>
<td>1</td>
<td>H304-May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td>Aquatic Chronic</td>
<td>3</td>
<td>H412-Harmful to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

**2.2 Label elements**

Labeling according to Regulation (EC) 1272/2008 (CLP)
danger

H304-May be fatal if swallowed and enters airways.  H412-Harmful to aquatic life with long lasting effects.

P101-If medical advice is needed, have product container or label at hand.  P102-Keep out of reach of children.  
P301+P310-IF SWALLOWED: Immediately call a POISON CENTER/doctor.  P331-Do NOT induce vomiting. 
P405-Store locked up.  P501-Dispose of contents/container safely.

EUH066-Repeated exposure may cause skin dryness or cracking.

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics  
Hydrocarbons, C10, aromatics, >1% naphthalene

2.3 Other hazards
The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006.
The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.
Product can compose a film on the water surface, which can prevent oxygen exchange.

SECTION 3: Composition/information on ingredients

3.1 Substance
n.a.

3.2 Mixture

| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Hydrocarbons, C11-C13, isoalkanes, <2% aromatics |
| Registration number (REACH) | 01-2119456810-40-XXXX |
| Index | --- |
| EINECS, ELINCS, NLP | 920-901-0 (REACH-IT List-No.) |
| CAS | (90622-58-5) |
| content % | 80-100 |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Asp. Tox. 1, H304 |

Phenol, (dimethylamino)methyl-, polyisobutylene derivatives

| Phenol, (dimethylamino)methyl-, polyisobutylene derivatives | Phenol, (dimethylamino)methyl-, polyisobutylene derivatives |
| Registration number (REACH) | -- |
| Index | --- |
| EINECS, ELINCS, NLP | - |
| CAS | --- |
| content % | 1-5 |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Aquatic Chronic 3, H412 |

Hydrocarbons, C10, aromatics, >1% naphthalene

| Hydrocarbons, C10, aromatics, >1% naphthalene | Hydrocarbons, C10, aromatics, >1% naphthalene |
| Registration number (REACH) | 01-2119463588-24-XXXX |
| Index | --- |
| EINECS, ELINCS, NLP | 919-284-0 (REACH-IT List-No.) |
| CAS | (64742-94-5) |
4.1 Description of first aid measures

**Inhalation**
Remove person from danger area.
Supply person with fresh air and consult doctor according to symptoms.
If the person is unconscious, place in a stable side position and consult a doctor.

**Skin contact**
Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

**Eye contact**
Remove contact lenses.
Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

**Ingestion**
Rinse the mouth thoroughly with water.
Do not induce vomiting. Consult doctor immediately.

**Danger of aspiration**
In case of vomiting, keep head low so that the stomach content does not reach the lungs.

4.2 Most important symptoms and effects, both acute and delayed
If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.
The following may occur:

Drying of the skin.
SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
CO2
Foam
Dry extinguisher

Unsuitable extinguishing media
High volume water jet

5.2 Special hazards arising from the substance or mixture
In case of fire the following can develop:
Oxides of carbon
Oxides of nitrogen
Toxic gases
Flammable vapour/air mixtures

5.3 Advice for firefighters
In case of fire and/or explosion do not breathe fumes.
Protective respirator with independent air supply.
According to size of fire
Full protection, if necessary.
Cool container at risk with water.
Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Remove possible causes of ignition - do not smoke.
Avoid inhalation, and contact with eyes or skin.
If applicable, caution - risk of slipping.

6.2 Environmental precautions
If leakage occurs, dam up.
Resolve leaks if this possible without risk.
Prevent surface and ground-water infiltration, as well as ground penetration.
Prevent from entering drainage system.
If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up
Soak up with absorbent material (e.g. universal binding agent) and dispose of according to Section 13.
Oil binder
Do not wash away with water or watery cleaning agents.

6.4 Reference to other sections
For personal protective equipment see Section 8 and for disposal instructions see Section 13.
SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation.
Avoid formation of oil mist.
Keep away from sources of ignition - Do not smoke.
Do not heat to temperatures close to flash point.
Take measures against electrostatic charging, if appropriate.
Avoid contact with eyes or skin.
Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
Do not carry cleaning cloths soaked in product in trouser pockets.
Observe directions on label and instructions for use.
Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.
Store product closed and only in original packing.
Not to be stored in gangways or stair wells.
Under all circumstances prevent penetration into the soil.
Protect from direct sunlight and warming.
Store in a well-ventilated place.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40):
1200 mg/m³

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hydrocarbons, C11-C13, isoalkanes, &lt;2% aromatics</th>
<th>Content %: 80-100</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEL-TWA</td>
<td>1200 mg/m³ (&gt;=C7 normal and branched chain alkanes)</td>
<td>WEL-STEL: 2(II) (AGW)</td>
</tr>
<tr>
<td>Monitoring procedures:</td>
<td>Draeger - Hydrocarbons 2/a (81 03 581)</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Draeger - Hydrocarbons 0,1%/c (81 03 571)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Compur - KITA-187 S (551 174)</td>
<td></td>
</tr>
<tr>
<td>BMGV:</td>
<td>---</td>
<td>Other information: ---</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hydrocarbons, C10, aromatics, &gt;1% naphthalene</th>
<th>Content %: 1-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEL-TWA</td>
<td>500 mg/m³ (Aromatics)</td>
<td>WEL-STEL: ---</td>
</tr>
<tr>
<td>Monitoring procedures:</td>
<td>Draeger - Hydrocarbons 2/a (81 03 581)</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Draeger - Hydrocarbons 0,1%/c (81 03 571)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Compur - KITA-187 S (551 174)</td>
<td></td>
</tr>
<tr>
<td>BMGV:</td>
<td>---</td>
<td>Other information: ---</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>1,2,4-trimethylbenzene (Trimethylbenzenes, all isomers or mixtures)</th>
<th>Content %: 0,1-&lt;1</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEL-TWA</td>
<td>25 ppm (125 mg/m³) (WEL), 20 ppm (100 mg/m³) (EU)</td>
<td>WEL-STEL: ---</td>
</tr>
<tr>
<td>Monitoring procedures:</td>
<td>Compur - KITA-111 U(C) (549 178)</td>
<td>---</td>
</tr>
</tbody>
</table>
### Mesitylene

**Chemical Name:** Mesitylene  
**Content %:** 0.01 - <1

| WEL-TWA: | 25 ppm (125 mg/m³) (Trimethylbenzenes, all isomers or mixtures) (WEL), 20 ppm (100 mg/m³) (EU) |
| WEL-STEL: | --- |

**Monitoring procedures:**  
MTA/MA-030/A92 (Determination of aromatic hydrocarbons (benzene, toluene, ethylbenzene, p-xylene, 1,2,4-trimethylbenzene) in air - Charcoal tube method / Gas chromatography) - 1992 - EU project BC/CEN/ENTR/000/2002-16 card 54-1 (2004)

**BMGV:** ---  
**Other information:** ---

---

### Hydrocarbons, C10, aromatics, >1% naphthalene

#### Area of application
- **Exposure route / Environmental compartment:** Human - dermal, Human - inhalation, Human - oral
- **Effect on health:** Long term, systemic effects

<table>
<thead>
<tr>
<th>Area of application</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workers / employees</td>
<td>DNEL 12,5</td>
<td>mg/kg bw/day</td>
</tr>
<tr>
<td>Workers / employees</td>
<td>DNEL 150</td>
<td>mg/m³</td>
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<tr>
<td>Consumer</td>
<td>DNEL 7,5</td>
<td>mg/kg bw/day</td>
</tr>
<tr>
<td>Consumer</td>
<td>DNEL 32</td>
<td>mg/m³</td>
</tr>
<tr>
<td>Consumer</td>
<td>DNEL 7,5</td>
<td>mg/kg bw/day</td>
</tr>
</tbody>
</table>

#### 1,2,4-trimethylbenzene

**Area of application**
- **Exposure route / Environmental compartment:** Human - inhalation, Human - dermal, Human - blood
- **Effect on health:** Short term, systemic effects, Long term, systemic effects

<table>
<thead>
<tr>
<th>Area of application</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workers / employees</td>
<td>DNEL 100</td>
<td>mg/m³</td>
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<td>Workers / employees</td>
<td>DNEL 100</td>
<td>mg/m³</td>
</tr>
<tr>
<td>Workers / employees</td>
<td>DNEL 100</td>
<td>mg/m³</td>
</tr>
<tr>
<td>Workers / employees</td>
<td>DNEL 100</td>
<td>mg/m³</td>
</tr>
<tr>
<td>Consumer</td>
<td>DNEL 29,4</td>
<td>mg/m³</td>
</tr>
<tr>
<td>Consumer</td>
<td>DNEL 29,4</td>
<td>mg/m³</td>
</tr>
<tr>
<td>Consumer</td>
<td>DNEL 9512</td>
<td>mg/kg bw/day</td>
</tr>
</tbody>
</table>
8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
Tight fitting protective goggles (EN 166) with side protection, with danger of projections.

Skin protection - Hand protection:
Solvent resistant protective gloves (EN 374).
If applicable
Protective nitrile gloves (EN 374)
Minimum layer thickness in mm:
>= 0,4
Permeation time (penetration time) in minutes:
>= 480
The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions.
The recommended maximum wearing time is 50% of breakthrough time.
Protective gloves made of polyvinyl alcohol (EN 374)
Protective Viton® / fluoroelastomer gloves (EN 374)
Protective hand cream recommended.

Skin protection - Other:
Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:
If OES or MEL is exceeded.
Filter A2 P2 (EN 14387), code colour brown, white
Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:
Not applicable
Additional information on hand protection - No tests have been performed. In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications. Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls
No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: Light yellow
- Odour: Characteristic
- Odour threshold: Not determined
- pH-value: Not determined
- Melting point/freezing point: Not determined
- Initial boiling point and boiling range: Not determined
- Flash point: 63 °C (Pensky-Martens, closed cup)
- Evaporation rate: Not determined
- Flammability (solid, gas): Not determined
- Lower explosive limit: 0,6 Vol-% (20°C, Hydrocarbons, C11-C13, isoalkanes, <2% aromatics)
- Upper explosive limit: 6,5 Vol-% (20°C, Hydrocarbons, C11-C13, isoalkanes, <2% aromatics)
- Vapour pressure: Not determined
- Vapour density (air = 1): Vapours heavier than air.
- Density: 775,3 g/l
- Bulk density: Not determined
- Solubility(ies): Not determined
- Water solubility: Insoluble
- Partition coefficient (n-octanol/water): Not determined
- Auto-ignition temperature: >230 °C (Ignition temperature Hydrocarbons, C11-C13, isoalkanes, <2% aromatics)
- Decomposition temperature: Not determined
- Viscosity: 2,48 mm²/s (20°C)
- Viscosity: 1,60 mm²/s (40°C)
- Explosive properties: Not determined
- Oxidising properties: No

9.2 Other information
- Miscibility: Not determined
- Fat solubility / solvent: Not determined
- Conductivity: Not determined
- Surface tension: Not determined
- Solvents content: Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity
The product has not been tested.

10.2 Chemical stability
Stable with proper storage and handling.

10.3 Possibility of hazardous reactions
No dangerous reactions are known.

10.4 Conditions to avoid
10.5 Incompatible materials
See also section 7.
Avoid contact with strong acids.
Avoid contact with strong oxidizing agents.
Avoid contact with other chemicals.

10.6 Hazardous decomposition products
See also section 5.2
No decomposition when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Possibly more information on health effects, see Section 2.1 (classification).

<table>
<thead>
<tr>
<th>AUTOL Desolite B Art.: 1131</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Toxicity / effect</strong></td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
</tr>
<tr>
<td>Serious eye damage/irritation:</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation:</td>
</tr>
<tr>
<td>Germ cell mutagenicity:</td>
</tr>
<tr>
<td>Carcinogenicity:</td>
</tr>
<tr>
<td>Reproductive toxicity:</td>
</tr>
<tr>
<td>Aspiration hazard:</td>
</tr>
<tr>
<td>Symptoms:</td>
</tr>
<tr>
<td>Other information:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydrocarbons, C11-C13, isoalkanes, &lt;2% aromatics</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Toxicity / effect</strong></td>
</tr>
<tr>
<td>Acute toxicity, by oral route:</td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
</tr>
</tbody>
</table>
### Serious eye damage/irritation:
- Rabbit: OECD 405 (Acute Eye Irritation/Corrosion) - Not irritant

### Respiratory or skin sensitisation:
- Guinea pig: OECD 406 (Skin Sensitisation) - Not sensitizing

### Germ cell mutagenicity:
- Rat: OECD 478 (Genetic Toxicology - Rodent dominant Lethal Test) - Negative
- Mouse: OECD 476 (In Vitro Mammalian Cell Gene Mutation Test) - Negative
- Mouse: OECD 474 (Mammalian Erythrocyte Micronucleus Test) - Negative
- Salmonella typhimurium: OECD 471 (Bacterial Reverse Mutation Test) - Negative

### Carcinogenicity:
- Rat: OECD 453 (Combined Chronic Toxicity/Carcinogenicity Studies) - Negative

### Reproductive toxicity:
- No indications of such an effect.
- Analogous conclusion, Negative

### Specific target organ toxicity - repeated exposure (STOT-RE):
- Analogous conclusion, Negative

### Aspiration hazard:
- Yes

### Symptoms:
- Headaches, dizziness

### Hydrocarbons, C10, aromatics, >1% naphthalene

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>&gt;5000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rabbit</td>
<td>OECD 402 (Acute Dermal Toxicity)</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td>LC50</td>
<td>&gt;4688</td>
<td>mg/m3</td>
<td>Rat</td>
<td>OECD 403 (Acute Inhalation Toxicity)</td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OECD 404 (Acute Dermal Irritation/Corrosion)</td>
<td>Not irritant</td>
</tr>
<tr>
<td>Serious eye damage/irritation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OECD 405 (Acute Eye Irritation/Corrosion)</td>
<td>Mild irritant</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OECD 406 (Skin Sensitisation)</td>
<td>Not sensitizing, Analogous conclusion</td>
</tr>
<tr>
<td>Germ cell mutagenicity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OECD 479 (Genetic Toxicology - In Vitro Sister Chromatid Exchange assay in Mammalian Cells)</td>
<td>Negative</td>
</tr>
<tr>
<td>Reproductive toxicity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OECD 414 (Prenatal Developmental Toxicity Study)</td>
<td>Negative, Analogous conclusion</td>
</tr>
<tr>
<td>Reproductive toxicity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OECD 416 (Two-generation Reproduction Toxicity Study)</td>
<td>Negative, Analogous conclusion</td>
</tr>
</tbody>
</table>
Specific target organ toxicity - single exposure (STOT-SE):

Vapours may cause drowsiness and dizziness.

Specific target organ toxicity - repeated exposure (STOT-RE):

OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Negative, Analogous conclusion

OECD 413 (Subchronic Inhalation Toxicity - 90-Day Study)
Negative, Analogous conclusion

OECD 452 (Chronic Toxicity Studies)
Negative, Analogous conclusion

Aspiration hazard:
Yes

1,2,4-trimethylbenzene

Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes
---|---|---|---|---|---|---
Acute toxicity, by oral route: | LD50 | >2000 | mg/kg | Rat | | |
Acute toxicity, by oral route: | LD50 | 6000 | mg/kg | Rat | | |
Acute toxicity, by inhalation: | LC50 | 18 | mg/l/4h | Rat | | Vapours may cause drowsiness, unconsciousness, headaches, fatigue, dizziness, nausea
Symptoms: | | | | | | |

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

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Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes
---|---|---|---|---|---|---|---
Toxicity to fish: | LL50 | 90h | >1000 | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) | |
Toxicity to daphnia: | NOELR | 28d | 0,32 | mg/l | Oncorhynchus mykiss | QSAR | |
Toxicity to daphnia: | EL50 | 48h | >1000 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
Toxicity to algae: NOELR 72h 1000 mg/l Pseudokirchnerie lla subcapitata OECD 201 (Alga, Growth Inhibition Test)

Toxicity to algae: ErL50 72h >1000 mg/l Pseudokirchnerie lla subcapitata OECD 201 (Alga, Growth Inhibition Test)

Persistence and degradability: 28d 31 % OECD 301 F (Ready Biodegradability - Manometric Respirometry Test) Not readily but inherent biodegradable.

Results of PBT and vPvB assessment No PBT substance, No vPvB substance

Water solubility: Insoluble

Phenol, (dimethylamino)methyl-, polyisobutylene derivatives

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability:</td>
<td>28d</td>
<td>20.7</td>
<td>%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hydrocarbons, C10, aromatics, >1% naphthalene

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to fish:</td>
<td>LL50</td>
<td>96h</td>
<td>2-5</td>
<td>mg/l</td>
<td>Oncorhynchus mykiss</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toxicity to daphnia:</td>
<td>EL50</td>
<td>48h</td>
<td>3-10</td>
<td>mg/l</td>
<td>Daphnia magna</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toxicity to algae:</td>
<td>EL50</td>
<td>72h</td>
<td>11</td>
<td>mg/l</td>
<td>Pseudokirchnerie lla subcapitata</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toxicity to algae:</td>
<td>NOELR</td>
<td>72h</td>
<td>2,5</td>
<td>mg/l</td>
<td>Pseudokirchnerie lla subcapitata</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Persistence and degradability:</td>
<td>28d</td>
<td>57.95</td>
<td>%</td>
<td></td>
<td></td>
<td>Readily biodegradable</td>
<td></td>
</tr>
<tr>
<td>Results of PBT and vPvB assessment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No PBT substance, No vPvB substance</td>
<td></td>
</tr>
</tbody>
</table>

1,2,4-trimethylbenzene

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to fish:</td>
<td>LC50</td>
<td>96h</td>
<td>7.72</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toxicity to daphnia:</td>
<td>EC50</td>
<td>48h</td>
<td>3.5</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of.

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

Sewage disposal shall be discouraged.
Pay attention to local and national official regulations.
E.g. suitable incineration plant.

For contaminated packing material
Pay attention to local and national official regulations.
Empty container completely.
Uncontaminated packaging can be recycled.
Dispose of packaging that cannot be cleaned in the same manner as the substance.

SECTION 14: Transport information

General statements
UN number: n.a.

Transport by road/by rail (ADR/RID)
UN proper shipping name: n.a.
Transport hazard class(es): n.a.
Packing group: n.a.
Classification code: n.a.
LO (ADR 2015): n.a.
Environmental hazards: Not applicable
Tunnel restriction code: n.a.

Transport by sea (IMDG-code)
UN proper shipping name: n.a.
Packing group: n.a.
Marine Pollutant: n.a.
Environmental hazards: Not applicable

Transport by air (IATA)
UN proper shipping name: n.a.
Packing group: n.a.
Environmental hazards: Not applicable

Special precautions for user
Unless specified otherwise, general measures for safe transport must be followed.
Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
For classification and labelling see Section 2.
Observe restrictions:
Comply with trade association/occupational health regulations.
Observe youth employment law (German regulation).
Observe law on protection of expectant mothers (German regulation).
Directive 2010/75/EU (VOC): > 96 %
Directive 2010/75/EU (VOC): > 744,5 g/l

15.2 Chemical safety assessment
A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: 1-16
These details refer to the product as it is delivered.
Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

<table>
<thead>
<tr>
<th>Classification in accordance with regulation (EC) No. 1272/2008 (CLP)</th>
<th>Evaluation method used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asp. Tox. 1, H304</td>
<td>Classification according to calculation procedure.</td>
</tr>
</tbody>
</table>
**Aquatic Chronic 3, H412**

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Causes skin irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

**Asp. Tox. — Aspiration hazard**

Aquatic Chronic — Hazardous to the aquatic environment - chronic

**Carc. — Carcinogenicity**

STOT SE — Specific target organ toxicity - single exposure - narcotic effects

**Flam. Liq. — Flammable liquid**

**Acute Tox. — Acute toxicity - inhalation**

**Eye Irrit. — Eye irritation**

**STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation**

**Skin Irrit. — Skin irritation**

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**Any abbreviations and acronyms used in this document:**

- **AC** Article Categories
- **acc., acc. to according, according to**
- **ACGIHAmerican Conference of Governmental Industrial Hygienists**
- **ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)**
- **AOEL Acceptable Operator Exposure Level**
- **AOX Adsorbable organic halogen compounds**
- **approx. approximately**
- **Art., Art. no. Article number**
- **ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)**
- **BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)**
- **BauA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)**
- **BCF Bioconcentration factor**
- **BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)**
- **BHT Butyldihydroxotoluol (= 2,6-Di-t-butyl-4-methyl-phenol)**
- **BMGV Biological monitoring guidance value (EH40, UK)**
- **BOD Biochemical oxygen demand**
- **BSEF Bromine Science and Environmental Forum**
- **bw body weight**
- **CAS Chemical Abstracts Service**
- **CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids**
- **CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques**
- **CIPAC Collaborative International Pesticides Analytical Council**
- **CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)**
- **CMR carcinogenic, mutagenic, reproductive toxic**
- **COD Chemical oxygen demand**
- **CTFA Cosmetic, Toiletry, and Fragrance Association**
- **DMEL Derived Minimum Effect Level**
- **DNEL Derived No Effect Level**
- **DOC Dissolved organic carbon**
- **DT50 Dwell Time - 50% reduction of start concentration**