

Silicone remover (Silikonentferner) SE50 and SE250

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IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a doctor.
Store locked up.

Special labelling of certain mixtures

In use may form flammable/explosive vapour-air mixture.
Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Keep away from combustible material.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Isoaliphates, Bentone, ethanol and essential oils.

Hazardous components

| CAS No | Chemical name | | | Quantity |
|-----------|---|--------------|------------------|-------------|
| | EC No | Index No | REACH No | |
| | GHS Classification | | | |
| | Isoaliphates (C11-C12) | | | 40 - < 50 % |
| | 918-167-1 | | 01-2119472146-39 | |
| | Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 4; H226 H304 H413 | | | |
| | Isoaliphate (C11-C13) | | | 20 - < 30 % |
| | 920-901-0 | | 01-2119456810-40 | |
| | Asp. Tox. 1; H304 | | | |
| | Isoaliphate (C11-C14) | | | 20 - < 30 % |
| | 927-285-2 | | 01-2119480162-45 | |
| | Asp. Tox. 1; H304 | | | |
| 5989-27-5 | limonene (orange oil) | | | 1 - < 10 % |
| | 227-813-5 | 601-029-00-7 | | |
| | Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H400 H410 | | | |
| 64-17-5 | ethanol, ethyl alcohol | | | 1 - < 10 % |
| | 200-578-6 | 603-002-00-5 | 01-2119457310-43 | |
| | Flam. Liq. 2, Eye Irrit. 2; H225 H319 | | | |

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.

After inhalation

Provide fresh air. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

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After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Call a physician immediately.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing powder, Carbon dioxide (CO₂), Water spray jet. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of insufficient ventilation and use, explosive/flammable mixtures may develop.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Ventilate affected area.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed.

Advice on protection against fire and explosion

Protect from sunlight. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

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Hints on joint storage

Keep/Store away from combustible materials.

Further information on storage conditions

Technische Regeln für brennbare Flüssigkeiten (TRbF)

7.3. Specific end use(s)

For the removal of silicone on glass, glazed tiles or ceramic. Interior and exterior usage.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|---------|-----------|------|-------------------|-----------|-----------|--------|
| 64-17-5 | Ethanol | 1000 | 1920 | | TWA (8 h) | WEL |

8.2. Exposure controls

Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

Eye glasses with side protection

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|----------------|
| Physical state: | Liquid |
| Colour: | colourless |
| Odour: | characteristic |

Test method

pH-Value: not applicable

Changes in the physical state

| | |
|---|------------|
| Melting point: | < -20 °C |
| Boiling point or initial boiling point and boiling range: | 180-205 °C |
| Flash point: | > 61 °C |

Flammability

| | |
|--------|----------------|
| Solid: | not applicable |
| Gas: | not applicable |

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Explosive properties

In use may form flammable/explosive vapour-air mixture.

| | |
|----------------------------|------------|
| Lower explosion limits: | 0,5 vol. % |
| Upper explosion limits: | 7,0 vol. % |
| Auto-ignition temperature: | 265 °C |

Self-ignition temperature

| | | |
|----------------------------|--|-------------------|
| Solid: | not applicable | |
| Gas: | not applicable | |
| Decomposition temperature: | not determined | EC: 440/2008 A.4. |
| Vapour pressure: | not determined | |
| Density (at 15 °C): | 0,83 g/cm ³ | |
| Water solubility: | The study does not need to be conducted because the substance is known to be insoluble in water. | |

Solubility in other solvents

not determined

| | |
|--|------------------------|
| Partition coefficient n-octanol/water: | not determined |
| Viscosity / kinematic: (at 40 °C) | < 7 mm ² /s |
| Relative vapour density: | not determined |
| Evaporation rate: | not determined |

9.2. Other information

| | |
|----------------|----------------|
| Solid content: | not determined |
|----------------|----------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

In case of insufficient ventilation and use, explosive/flammable mixtures may develop.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Do not mix with acids. Oxidising agent, strong

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

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| CAS No | Chemical name | | | | |
|-----------|-------------------------|--------|--------------|---------|--------|
| | Exposure route | Method | Dose | Species | Source |
| | Isoaliphates (C11-C12) | | | | |
| | oral | LD50 | > 5000 mg/kg | Rat | |
| | dermal | LD50 | > 5000 mg/kg | Rabbit | |
| | Isoaliphate (C11-C13) | | | | |
| | oral | LD50 | > 5000 mg/kg | Rat | |
| | dermal | LD50 | > 5000 mg/kg | Rabbit | |
| | Isoaliphate (C11-C14) | | | | |
| | oral | LD50 | > 5000 mg/kg | Rat | |
| | dermal | LD50 | > 5000 mg/kg | Rabbit | |
| 5989-27-5 | limonene (orange oil) | | | | |
| | oral | LD50 | > 5000 mg/kg | Rat | GESTIS |
| | dermal | LD50 | > 5000 mg/kg | Rabbit | GESTIS |
| 64-17-5 | ethanol, ethyl alcohol | | | | |
| | oral | LD50 | 6200 mg/kg | Rat | IUCLID |
| | inhalation (4 h) vapour | LC50 | 95,6 mg/l | Rat | RTECS |

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

May cause an allergic skin reaction. (limonene (orange oil))

STOT-single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Repeated exposure may cause skin dryness or cracking.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

The product has not been tested.

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| CAS No | Chemical name | | | | | |
|-----------|--------------------------|-----------|--------------|-----------|--------------------------------|--------|
| | Aquatic toxicity | Method | Dose | [h] [d] | Species | Source |
| | Isoaliphates (C11-C12) | | | | | |
| | Acute fish toxicity | LC50 | > 100 mg/l | 96 h | fish | |
| | Acute algae toxicity | ErC50 | > 100 mg/l | 72 h | Algae | |
| | Acute crustacea toxicity | EC50 | > 100 mg/l | 48 h | Daphnia magna | |
| | Isoaliphate (C11-C13) | | | | | |
| | Acute fish toxicity | LC50 | > 1000 mg/l | 96 h | fish | |
| | Acute algae toxicity | ErC50 | > 1000 mg/l | 72 h | Algae | |
| | Acute crustacea toxicity | EC50 | > 1000 mg/l | 48 h | Daphnia magna | |
| | Isoaliphate (C11-C14) | | | | | |
| | Acute fish toxicity | LC50 | > 1000 mg/l | 96 h | fish | |
| | Acute algae toxicity | ErC50 | > 1000 mg/l | 72 h | Algae | |
| | Acute crustacea toxicity | EC50 | > 1000 mg/l | 48 h | Daphnia magna (Big water flea) | |
| 5989-27-5 | limonene (orange oil) | | | | | |
| | Acute fish toxicity | LC50 | 0,7 mg/l | 96 h | Pimephales promelas | |
| | Acute crustacea toxicity | EC50 | 0,42 mg/l | 48 h | Daphnia magna | |
| 64-17-5 | ethanol, ethyl alcohol | | | | | |
| | Acute crustacea toxicity | EC50 mg/l | 9268 - 14221 | 48 h | Daphnia magna | IUCLID |

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|-----------|------------------------|---------|
| 5989-27-5 | limonene (orange oil) | 4,23 |
| 64-17-5 | ethanol, ethyl alcohol | -0,31 |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

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Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

| | |
|--|--|
| 14.1. UN number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Inland waterways transport (ADN)

| | |
|--|--|
| 14.1. UN number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Marine transport (IMDG)

| | |
|--|--|
| 14.1. UN number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Air transport (ICAO-TI/IATA-DGR)

| | |
|--|--|
| 14.1. UN number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

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 regulatory information

2010/75/EU (VOC): 99%

Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

Highly flammable liquid and vapour.
Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
Harmful to aquatic life with long lasting effects.
May cause long lasting harmful effects to aquatic life.
In use may form flammable/explosive vapour-air mixture.
Repeated exposure may cause skin dryness or cracking.

Further Information

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

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)