



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Safeline Hand Des Protect

Revision date: 31.08.2022

Product code: 00320-0097-GHS

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According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

Vapours may form explosive mixture with air.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Alcoholic solution

#### Hazardous components

| CAS No     | Chemical name  |              |                  | Quantity |
|------------|--|--------------|------------------|----------|
|            | EC No  | Index No     | REACH No         |          |
|            | GHS Classification   |              |                  |          |
| 64-17-5    | Ethanol  |              |                  | 80 %     |
|            | 200-578-6  | 603-002-00-5 | 01-2119457610-43 |          |
|            | Flam. Liq. 2, Eye Irrit. 2; H225 H319  |              |                  |          |
| 68424-85-1 | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides  |              |                  | < 0,25 % |
|            | 270-325-2  |              | 01-2119965180-41 |          |
|            | Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H290 H302 H314 H318 H400 H410 |              |                  |          |

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

#### Specific Conc. Limits, M-factors and ATE

| CAS No     | EC No     | Chemical name   | Quantity |
|------------|-----------|---|----------|
|            |           | Specific Conc. Limits, M-factors and ATE                              |          |
| 64-17-5    | 200-578-6 | Ethanol   | 80 %     |
|            |           | Eye Irrit. 2; H319: $\geq 50$ - 100                                   |          |
| 68424-85-1 | 270-325-2 | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | < 0,25 % |
|            |           | oral: LD50 = 795 mg/kg M acute; H400: M=10<br>M chron.; H410: M=1     |          |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.  
If you feel unwell, seek medical advice.

#### After inhalation

Move to fresh air in case of accidental inhalation of vapours.  
In the event of symptoms refer for medical treatment.

#### After contact with skin

Consult a doctor if skin irritation persists.

#### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
If eye irritation persists, consult a specialist.

#### After ingestion

Rinse out mouth and give plenty of water to drink.

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Seek medical treatment immediately.  
If swallowed or in the event of vomiting, risk of entering the lungs.

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

Causes serious eye irritation.  
Inhalation of vapours in high concentration can cause narcotic effects.

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

Treat symptoms.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water-spray.

**Unsuitable extinguishing media**

Full water jet

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

Fire may produce:  
carbon monoxide and carbon dioxide  
Risk of formation of toxic pyrolysis products.

**5.3. Advice for firefighters**

Use breathing apparatus with independent air supply.  
Protective suit.

**Additional information**

Vapours are heavier than air and spread along ground.  
The vapour/air mixture is explosive, even in empty, uncleaned receptacles.  
Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Ensure adequate ventilation.  
Keep away sources of ignition.  
Keep away noninvolved persons.

**For non-emergency personnel**

Do not breathe vapours.  
Avoid contact with skin, eyes and clothing.

**For emergency responders**

In case of vapour formation use respirator.  
Use personal protective clothing.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/ground water.

**6.3. Methods and material for containment and cleaning up****For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).

**For cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).  
Shovel into suitable container for disposal.

**6.4. Reference to other sections**

Observe protective instructions (see Sections 7 and 8).

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Information for disposal see section 13.

**SECTION 7: Handling and storage**
**7.1. Precautions for safe handling**
**Advice on safe handling**

- Use only in well-ventilated areas.
- Use solvent-resistant equipment.
- Avoid spilling or spraying in enclosed areas.

**Advice on protection against fire and explosion**

- Keep away from sources of ignition - No smoking.
- Take measures against electrostatically charging.
- Vapours are heavier than air and spread along ground.
- Vapour/air mixture is explosive, even in empty uncleaned receptacles.

**7.2. Conditions for safe storage, including any incompatibilities**
**Requirements for storage rooms and vessels**

- Keep container tightly closed in a dry, cool and well-ventilated place.
- Protect containers from heat / overheating.
- Keep only in original container.

**Hints on joint storage**

- Incompatible with oxidizing agents.

**Further information on storage conditions**

- Keep away from food, drink and animal feeding stuffs.

**7.3. Specific end use(s)**

- Hand disinfectant

**SECTION 8: Exposure controls/personal protection**
**8.1. Control parameters**
**Exposure limits (EH40)**

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

**8.2. Exposure controls**
**Appropriate engineering controls**

- Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

- Do not breath vapours or spray mist.
- When using do not eat, drink or smoke.
- Avoid contact with eyes.
- Remove and wash contaminated clothes before re-use.

**Eye/face protection**

- If used properly, no need to wear eye protection. Otherwise wear protective goggles with integrated side shields.

**Skin protection**

- Long sleeved clothing (DIN EN ISO 6530)

**Respiratory protection**

- No personal respiratory protective equipment normally required.
- In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

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**SECTION 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

|                 |            |
|-----------------|------------|
| Physical state: | Liquid     |
| Colour:         | Colourless |
| Odour:          | Alcoholic  |

**Test method**

pH-Value (at 20 °C): 4,8 - 6

**Changes in the physical state**

|   |             |
|---|-------------|
| Melting point/freezing point:                             | - 114 °C *) |
| Boiling point or initial boiling point and boiling range: | 78 °C *)    |
| Sublimation point:  | n.a.        |
| Softening point:  | n.d.        |
| Flash point:  | 14 °C       |

**Flammability**

|               |      |
|---------------|------|
| Solid/liquid: | n.a. |
| Gas:          | n.a. |

**Explosive properties**

The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated.

|                            |                |
|----------------------------|----------------|
| Lower explosion limits:    | 3,1 vol. % *)  |
| Upper explosion limits:    | 27,7 vol. % *) |
| Auto-ignition temperature: | 400 °C *)      |

**Self-ignition temperature**

|        |      |
|--------|------|
| Solid: | n.a. |
| Gas:   | n.a. |

Decomposition temperature: n.d.

**Oxidizing properties**

Not oxidising.

Vapour pressure: 58 hPa \*)

Density (at 20 °C): approx. 0,84 g/cm<sup>3</sup>

Bulk density: n.a.

Water solubility: Miscible  
(at 20 °C)

**Solubility in other solvents**

n.d.

Partition coefficient n-octanol/water: n.d.

Viscosity / dynamic: n.d.

Viscosity / kinematic: n.d.

Flow time: n.d.

Relative vapour density: n.d.

Evaporation rate: Not oxidising.

Solvent separation test: Not oxidising.

Solvent content: 80 %

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**9.2. Other information**

\*) Ethanol

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No decomposition if stored and applied as directed.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Reactions with oxidizing agents.

**10.4. Conditions to avoid**

Vapour/air mixtures are explosive at intensive warming.

Heating can release vapours which can be ignited.

**10.5. Incompatible materials**

oxidizing agents

**10.6. Hazardous decomposition products**

No hazardous decomposition products known.

Fire may produce:

Carbon monoxide and carbon dioxide

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008****Acute toxicity**

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

LD50/oral/rat: &gt; 10 g/kg (OECD 401)

**Irritation and corrosivity**

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**Additional information on tests**

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

**11.2. Information on other hazards****Endocrine disrupting properties**

No data available

**Other information**

Inhalation of vapours in high concentration can cause narcotic effects.

Components of the product may be absorbed into the body through the skin.

May cause irritation of the mucous membranes.

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**SECTION 12: Ecological information****12.1. Toxicity**

Ecological data are not available.

**12.2. Persistence and degradability**

No data available

Ethanol: Readily biodegradable (to OECD criteria).

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

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

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

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

Product can contain organically bound halogen and contribute to the adsorbable organic halogen value.

Low hazard to waters.

**Further information**

Ecological injuries are not known or expected under normal use.

Do not discharge into surface waters/groundwater.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

**List of Wastes Code - residues/unused products**

070604 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; other organic solvents, washing liquids and mother liquors; hazardous waste

**Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

**SECTION 14: Transport information****Land transport (ADR/RID)**

|   |   |
|---|---|
| <b><u>14.1. UN number:</u></b>                  | UN 1170                                   |
| <b><u>14.2. UN proper shipping name:</u></b>    | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) |
| <b><u>14.3. Transport hazard class(es):</u></b> | 3   |
| <b><u>14.4. Packing group:</u></b>              | II  |
| Hazard label:                                   | 3   |

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|                          |             |
|--------------------------|-------------|
| Classification code:     | F1          |
| Special Provisions:      | 144 601     |
| Limited quantity:        | 1 L / 30 kg |
| Excepted quantity:       | E2          |
| Transport category:      | 2           |
| Hazard No:               | 33          |
| Tunnel restriction code: | D/E         |

**Inland waterways transport (ADN)**

|  |   |
|--|---|
| <b>14.1. UN number:</b>                  | UN 1170                                   |
| <b>14.2. UN proper shipping name:</b>    | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) |
| <b>14.3. Transport hazard class(es):</b> | 3   |
| <b>14.4. Packing group:</b>              | II  |
| Hazard label:                            | 3   |



|                      |             |
|----------------------|-------------|
| Classification code: | F1          |
| Special Provisions:  | 144 601     |
| Limited quantity:    | 1 L / 30 kg |
| Excepted quantity:   | E2          |

**Marine transport (IMDG)**

|  |   |
|--|---|
| <b>14.1. UN number:</b>                  | UN 1170                                   |
| <b>14.2. UN proper shipping name:</b>    | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) |
| <b>14.3. Transport hazard class(es):</b> | 3   |
| <b>14.4. Packing group:</b>              | II  |
| Hazard label:                            | 3   |



|                     |             |
|---------------------|-------------|
| Marine pollutant:   | No          |
| Special Provisions: | 144         |
| Limited quantity:   | 1 L / 30 kg |
| Excepted quantity:  | E2          |
| EmS:                | F-E, S-D    |

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

|  |                  |
|--|------------------|
| <b>14.1. UN number:</b>                  | UN 1170          |
| <b>14.2. UN proper shipping name:</b>    | ETHANOL SOLUTION |
| <b>14.3. Transport hazard class(es):</b> | 3                |
| <b>14.4. Packing group:</b>              | II               |
| Hazard label:                            | 3                |



|                             |             |
|-----------------------------|-------------|
| Special Provisions:         | A3 A58 A180 |
| Limited quantity Passenger: | 1 L         |



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|  |      |      |
|--|------|------|
| Passenger LQ:                          | Y341 |      |
| Excepted quantity:                     | E2   |      |
| IATA-packing instructions - Passenger: |      | 353  |
| IATA-max. quantity - Passenger:        |      | 5 L  |
| IATA-packing instructions - Cargo:     |      | 364  |
| IATA-max. quantity - Cargo:            |      | 60 L |

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Take the usual precautions when handling with chemicals.

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

The transport takes place only in approved and appropriate packaging.

**SECTION 15: Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40

|   |                       |
|---|-----------------------|
| 2004/42/EC (VOC):                                 | 80 %                  |
| Information according to 2012/18/EU (SEVESO III): | P5c FLAMMABLE LIQUIDS |

**National regulatory information**

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

Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16: Other information**
**Changes**

Changes in section: 2,3,6,7,9,10,11,12,14,15,16

**Abbreviations and acronyms**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

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GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

#### Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification     | Classification procedure |
|--------------------|--------------------------|
| Flam. Liq. 2; H225 | On basis of test data    |
| Eye Irrit. 2; H319 | Calculation method       |

#### Relevant H and EUH statements (number and full text)

|      |   |
|------|---|
| H225 | Highly flammable liquid and vapour.                   |
| H290 | May be corrosive to metals.                           |
| H302 | Harmful if swallowed.                                 |
| H314 | Causes severe skin burns and eye damage.              |
| H318 | Causes serious eye damage.                            |
| H319 | Causes serious eye irritation.                        |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |

#### Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

The provision of the safety data sheet does not automatically guarantee the marketability of the product.

(n.a. = not applicable; n.d. = not determined)

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