

# Safety data sheet

## according to 1907/2006/EC, Article 31

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Printing date 22.01.2020

Revision: 31.05.2019

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

#### 1.1 Product identifier

Trade name: **STALOC rust killer shock freeze SQ-625, 500 ml**

Article number: 110660241

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

No further relevant information available.

Application of the substance / the mixture Penetrating oil

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

##### Manufacturer/Supplier:

Stankovsky Industrieprodukte Handels GmbH  
Flachenauergutstraße 8  
4020 Linz  
AUSTRIA  
Tel.: +43 732 221877  
e-Mail: office@staloc.com  
www.staloc.com

Further information obtainable from: Product safety department

1.4 Emergency telephone number: EU emergency phone number: 112

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

##### Hazard pictograms



GHS02

Signal word Danger

##### Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

##### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

#### 2.3 Other hazards

##### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Chemical characterisation: Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

|  |              |   |           |
|--|--------------|---|-----------|
| CAS: 106-97-8<br>EINECS: 203-448-7<br>Index number: 601-004-00-0 | butane, pure | ⚠ Flam. Gas 1, H220; Press. Gas (Comp.), H280 | >50-≤100% |
| CAS: 74-98-6<br>EINECS: 200-827-9<br>Index number: 601-003-00-5  | propane      | ⚠ Flam. Gas 1, H220; Press. Gas (Comp.), H280 | >10-≤25%  |
| CAS: 75-28-5<br>EINECS: 200-857-2<br>Index number: 601-004-00-0  | isobutane    | ⚠ Flam. Gas 1, H220; Press. Gas (Comp.), H280 | >2.5-≤10% |

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** If symptoms persist consult doctor.

**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

#### 5.3 Advice for firefighters

**Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

**6.2 Environmental precautions:** No special measures required.

**6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.

#### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

**7.1 Precautions for safe handling** No special precautions are necessary if used correctly.

**Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.

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

#### Storage:

#### Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

#### Information about storage in one common storage facility: Not required.

#### Further information about storage conditions: Keep container tightly sealed.

#### 7.3 Specific end use(s) No further relevant information available.

## SECTION 8: Exposure controls/personal protection

#### Additional information about design of technical facilities: No further data; see item 7.

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### Additional information: The lists valid during the making were used as basis.

### 8.2 Exposure controls

#### Personal protective equipment:

#### General protective and hygienic measures: Wash hands before breaks and at the end of work.

#### Respiratory protection: Not required.

#### Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### Eye protection: Not required.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

#### Appearance:

**Form:** Aerosol

**Colour:** Whitish

**Odour:** Characteristic

**Odour threshold:** Not determined.

**pH-value:** Not determined.

#### Change in condition

**Melting point/freezing point:** Undetermined.

**Initial boiling point and boiling range:** Not applicable, as aerosol.

**Flash point:** Not applicable, as aerosol.

**Flammability (solid, gas):** Not applicable.

**Ignition temperature:** 365 °C

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|  |  |
|--|--|
| · <b>Decomposition temperature:</b>              | Not determined.                            |
| · <b>Auto-ignition temperature:</b>              | Product is not selfigniting.               |
| · <b>Explosive properties:</b>                   | Not determined.                            |
| · <b>Explosion limits:</b>                       |  |
| <b>Lower:</b>                                    | 3 Vol %                                    |
| <b>Upper:</b>                                    | 15 Vol %                                   |
| · <b>Vapour pressure at 20 °C:</b>               | 4,000 hPa                                  |
| · <b>Density at 20 °C:</b>                       | 0.59 g/cm <sup>3</sup>                     |
| · <b>Relative density</b>                        | Not determined.                            |
| · <b>Vapour density</b>                          | Not determined.                            |
| · <b>Evaporation rate</b>                        | Not applicable.                            |
| · <b>Solubility in / Miscibility with water:</b> | Not miscible or difficult to mix.          |
| · <b>Partition coefficient: n-octanol/water:</b> | Not determined.                            |
| · <b>Viscosity:</b>                              |  |
| <b>Dynamic:</b>                                  | Not determined.                            |
| <b>Kinematic:</b>                                | Not determined.                            |
| · <b>Solvent content:</b>                        |  |
| <b>Organic solvents:</b>                         | 85.0 %                                     |
| · <b>9.2 Other information</b>                   | No further relevant information available. |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### LD/LC50 values relevant for classification:

|                       |          |                |
|-----------------------|----------|----------------|
| 106-97-8 butane, pure |          |                |
| Inhalative            | LC50/4 h | 658 mg/l (rat) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** 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.


### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not hazardous for water.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

|   |                     |
|---|---------------------|
| · <b>14.1 UN-Number</b>   |                     |
| · <b>ADR, IMDG, IATA</b>  | UN1950              |
| · <b>14.2 UN proper shipping name</b>   |                     |
| · <b>ADR</b>  | 1950 AEROSOLS       |
| · <b>IMDG</b>   | AEROSOLS            |
| · <b>IATA</b>   | AEROSOLS, flammable |
| · <b>14.3 Transport hazard class(es)</b>  |                     |
| · <b>ADR</b>  |                     |
|  |                     |
| · <b>Class</b>  | 2 5F Gases.         |
| · <b>Label</b>  | 2.1                 |

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|   |  |
|---|--|
| · <b>IMDG, IATA</b>   |  |
|  |  |
| · <b>Class</b>  | 2.1  |
| · <b>Label</b>  | 2.1  |
| · <b>14.4 Packing group</b>   |  |
| · <b>ADR, IMDG, IATA</b>  | not regulated  |
| · <b>14.5 Environmental hazards:</b>  |  |
| Not applicable.   |  |
| · <b>14.6 Special precautions for user</b>  |  |
| · <b>Danger code (Kemler):</b>  | Warning: Gases.  |
| · <b>EMS Number:</b>  | -  |
| · <b>Stowage Code</b>   | F-D,S-U  |
| · <b>Segregation Code</b>   | SW1 Protected from sources of heat.<br>SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.<br>SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.<br>For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2.<br>For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>  |  |
| Not applicable.   |  |
| · <b>Transport/Additional information:</b>  |  |
| · <b>ADR</b>  |  |
| · <b>Limited quantities (LQ)</b>  | 1L   |
| · <b>Excepted quantities (EQ)</b>   | Code: E0<br>Not permitted as Excepted Quantity   |
| · <b>Transport category</b>   | 2  |
| · <b>Tunnel restriction code</b>  | D  |
| · <b>IMDG</b>   |  |
| · <b>Limited quantities (LQ)</b>  | 1L   |
| · <b>Excepted quantities (EQ)</b>   | Code: E0<br>Not permitted as Excepted Quantity   |
| · <b>UN "Model Regulation":</b>   | UN 1950 AEROSOLS, 2.1  |

### SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category** P3a FLAMMABLE AEROSOLS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t

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- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · **Relevant phrases**

- H220 Extremely flammable gas.
- H280 Contains gas under pressure; may explode if heated.

· **Department issuing SDS:** Product safety department

· **Contact:** Hr Stankovsky

#### · **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 Harmonised 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 (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Gas 1: Flammable gases – Category 1
- Aerosol 1: Aerosols – Category 1
- Press. Gas (Comp.): Gases under pressure – Compressed gas