

## Safety data sheet

### according to the Globally Harmonized System

Printing date 09.12.2025


Version-No. 4.0

Revision: 09.12.2025

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

- **1.1. Product identifier**
- Trade name / Article-No: **KLEIBERIT 605.1.20**
- **1.2. Relevant identified uses of the substance / mixture or uses advised against**  
For professional users only.
- **Application of the substance / the mixture** Adhesives
- **1.3. Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
KLEIBERIT SE & Co. KG  
Max-Becker-Str. 4  
76356 Weingarten  
Germany
- **Further information obtainable from:**  
phone: +49 (0) 7244 62-0  
FAX: +49 (0) 7244 700-0  
E-Mail: hse@kleiberit.com
- **1.4. Emergency telephone number:**  
**+44 1235 239670**  
European regional number (European languages)  
**+44 1235 239671**  
Middle East/Africa regional number (English, Arabic, French, Portuguese, Farsi)  
**+1 215 207 0061**  
Americas regional number (English, Spanish, French, Portuguese)  
**+65 3158 1412**  
Asia-Pacific regional number (English, Bahasa, Malaysia, Hindi, Japanese, Korean, Mandarin, Tagalog)

#### SECTION 2: Hazards identification

- **2.1. Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008 - GHS/CLP**  
Acute Tox. 5 H333 May be harmful if inhaled.  
Skin Sens. 1 H317 May cause an allergic skin reaction.  
Aquatic Acute 3 H402 Harmful to aquatic life.
- **2.2. Label elements**
- **Hazard pictograms**  
  
GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:**  
trimethoxyvinylsilane
- **Hazard statements**  
H333 May be harmful if inhaled.  
H317 May cause an allergic skin reaction.  
H402 Harmful to aquatic life.
- **Precautionary statements**  
P260 Do not breathe vapours.  
P273 Avoid release to the environment.

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P280 Wear protective gloves.  
 P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

- **2.3. Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable

### SECTION 3: Composition/information on ingredients

#### · 3.2. Mixtures

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

#### · **Dangerous components:**

Registry-No's	Identification / Classification GHS-CLP	%
611222-18-5	Dimethoxy(methyl)silylmethylcarbamate-terminated polyether Acute Tox. 5, H303; Acute Tox. 5, H313	20-30%
8002-74-2	Paraffin waxes and Hydrocarbon waxes Acute Tox. 5, H303	≤3%
2768-02-7	trimethoxyvinylsilane Flam. Liq. 2, H225; Acute Tox. 4, H332; Skin Sens. 1B, H317; Acute Tox. 5, H313	≥1-<2%
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate Repr. 2, H361; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 5, H303; Acute Tox. 5, H313	≥0.25-<1%
6674-22-2	Diazabicyclo(5.4.0)undec-7-ene Acute Tox. 3, H301; Skin Corr. 1B, H314; Eye Dam. 1, H318	<0.5%

#### · **Additional information:**

Product hydrolyzes under formation of methanol (CAS No. 67-56-1).  
 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:**

Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.

If skin irritation continues, consult a doctor.

#### · **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Call for a doctor immediately.

#### · 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:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

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- **5.3. Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1. Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Particular danger of slipping on leaked/spilled product.
- **6.2. Environmental precautions:** Do not allow to enter surface or ground water.
- **6.3. Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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**  
Enclosure or extractor facilities are required.  
Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures are insufficient to keep the vapour concentration below the workplace limit, wear an adequate respiratory protective device.  
Not less than 3-5 air exchanges per hour  
Appropriate regular employee training.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use only in well ventilated areas.  
Perform spray applications in automated and closed systems.  
Use at room temperature  
additional to professional application with multiple and/or significant contact  
limit the exposure to 4 hours  
Do not allow to reach ground water, water bodies or sewage system.
- **General protective and hygienic measures:**  
Avoid contact with the skin.  
Keep good industrial hygiene.
- **7.2. Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Keep container tightly closed.
- **Information about storage in one common storage facility:** Observe the national regulations.
- **Further information about storage conditions:** Protect from humidity and water.
- **7.3. Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1. Control parameters**
- **Additional information about design of technical facilities:** No further data; see section 7.
- **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.
- **8.2. Exposure controls**  
limit the exposure to:  
8 hours  
additional to professional application with multiple and/or significant contact  
limit the exposure to 4 hours  
Ensure that activities are executed by specialists or authorised personnel only.

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- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:**  
Not necessary if room is well-ventilated.  
At spray application respiratory protection must be worn.  
Filter A/P2
- **Protection of hands:**  
Protective gloves  
Avoid direct contact with the chemical/ the product/ the preparation by organisational measures.
- **Material of gloves B** Polyethylenylon: Barrier™ (0,062 mm)
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

- **9.1. Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form: Fluid
  - Colour: Beige
- **Odour:** Characteristic
- **Odour threshold:** Not determined
- **pH-value:** Mixture is non-soluble (in water).
- **Change in condition**
  - Melting point/freezing point: Undetermined
  - Initial boiling point and boiling range: Undetermined
- **Flash point:** >98 °C
- **Flammability:** Not applicable
- **Auto-ignition temperature:** >300 °C
- **Decomposition temperature:** Not determined
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**
  - Lower: Not determined
  - Upper: Not determined
- **Vapour pressure:** Not determined
- **Density at 20 °C:** ca. 1.5 g/cm<sup>3</sup>
- **Relative density:** Not determined
- **Vapour density:** Not determined
- **Evaporation rate:** Not determined
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Partition coefficient: n-octanol/water:** Not determined
- **Viscosity:**
  - Dynamic: Not determined
  - Kinematic: Not determined
- **9.2. Other information:** No further relevant information available.

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### SECTION 10: Stability and reactivity

- **10.1. Reactivity**  
see item 10.3  
No further relevant information available.
- **10.2. Chemical stability** Product hydrolyzes under formation of methanol (CAS No. 67-56-1).
- **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** humidity
- **10.5. Incompatible materials:** No further relevant information available.
- **10.6. Hazardous decomposition products:** Methanol - On reaction with water or air humidity

### SECTION 11: Toxicological information

- **11.1. Information on toxicological effects**
- **Acute toxicity**  
May be harmful if inhaled.
- **LD/LC<sub>50</sub> values relevant for classification:**
- 2768-02-7 trimethoxyvinylsilane**
- Oral LD<sub>50</sub> 7,120-7,236 mg/kg (rat) (OECD 401)
- Dermal LD<sub>50</sub> 3,200 mg/kg (rabbit) (OECD 402)
- Inhalative LC<sub>50</sub> /4 h 16.8 mg/l (rat) (OECD 403)
- 52829-07-9 Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate**
- Oral LD<sub>50</sub> >2,000 mg/kg (rat)
- Dermal LD<sub>50</sub> >2,000 mg/kg (rat)
- 6674-22-2 Diazabicyclo(5.4.0)undec-7-ene**
- Oral LD<sub>50</sub> 215 mg/kg (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**  
May cause an allergic skin reaction.
- **Additional toxicological information:**
- **Repeated dose toxicity**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **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.
- **11.2. Information on other hazards** Unnecessary

### SECTION 12: Ecological information

- **12.1. Toxicity**
- **Aquatic toxicity:**
- 2768-02-7 trimethoxyvinylsilane**
- LC<sub>50</sub> 191 mg / l / 96h (Fathead minnow - Pimephales promelas)
- EC<sub>50</sub> 169 mg / l / 48h (water flea - daphnia)
- 52829-07-9 Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate**
- LC<sub>50</sub> 4.4 mg / l / 96h (Bluegill - Lepomis macrochirus)

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4.4 mg / l / 96h (fish)

EC<sub>50</sub> 8.6 mg / l / 48h (water flea - daphnia)**6674-22-2 Diazabicyclo(5.4.0)undec-7-ene**LC<sub>50</sub> 100 mg / l / 96h (fish)EC<sub>50</sub> 50 mg / l / 48h (water flea - daphnia)

- **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:**  
Danger to drinking water if even small quantities leak into the ground.  
Do not allow product to reach sewage system or any water course.
- **12.5. Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **12.7. 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.  
Must be specially treated adhering to official regulations.
- **Recommendation:**  
Non contaminated packagings may be recycled.  
Empty contaminated packagings thoroughly. Disposal must be made according to official regulations.

### SECTION 14: Transport information

- **14.1. UN-Number**
- **ADR, IMDG, IATA** Void
- **14.2. UN proper shipping name**
- **ADR, IMDG, IATA** Void
- **14.3. Transport hazard class(es)**
- **Class** Void
- **14.4. Packing group**
- **ADR, IMDG, IATA** Void
- **14.5. Environmental hazards:** Not applicable
- **14.6. Special precautions for user** Not applicable
- **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**  
See position no 2 - Hazards Identification
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations:** For professional users only.
- **EU: VOC - Volatile Organic Compounds (Directive 13/1999/EC)**
- **VOC - 2010/75/EU [g/L]:** <50.0 g/l
- **VOC - 2010/75/EU [%]:** <5.00 %
- **15.2. Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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### 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

H225 Highly flammable liquid and vapour.  
 H301 Toxic if swallowed.  
 H303 May be harmful if swallowed.  
 H313 May be harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H332 Harmful if inhaled.  
 H361 Suspected of damaging fertility or the unborn child.  
 H400 Very toxic to aquatic life.  
 H411 Toxic to aquatic life with long lasting effects.

#### · Department issuing SDS: Safety & Environment

#### · Abbreviations and acronyms:

ADR: Accord relatif au transport international 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. Liq. 2: Flammable liquids – Category 2  
 Acute Tox. 3: Acute toxicity – Category 3  
 Acute Tox. 5: Acute toxicity – Category 5  
 Acute Tox. 4: Acute toxicity – Category 4  
 Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
 Skin Sens. 1: Skin sensitisation – Category 1  
 Skin Sens. 1B: Skin sensitisation – Category 1B  
 Repr. 2: Reproductive toxicity – Category 2  
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
 Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3  
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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