



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 28.08.2019

Version-No. 1

Revision: 28.08.2019

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

- **1.1. Product identifier**
- Trade name / Article-No: **KLEIBERIT 557.2**
- **Component:** A
- **1.2. Relevant identified uses of the substance / mixture or uses advised against**
Restricted to professional users.
- **Application of the substance / the mixture** Adhesives
- **1.3. Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
KLEBCHEMIE
M.G.Becker GmbH & Co. KG
Max Becker Str. 4
D - 76356 Weingarten / Baden
Germany
- **Further information obtainable from:**
phone: +49-7244-62-0
FAX: +49-7244-700-0
e-mail: hse@kleiberit.com
- **1.4. Emergency telephone number:**
+44 1235 239670
European regional number (European languages)
+44 1235 239671
Middle Eastern/African regional number (Middle Eastern/African languages)
+1 215 207 0061
Americas regional number (English, Spanish, 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**
Eye Irrit. 2 H319 Causes serious eye irritation.

- **2.2. Label elements**
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**
H319 Causes serious eye irritation.
- **Precautionary statements**
P264 Wash thoroughly after handling.
P280 Wear eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

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- **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	%
CAS: 25214-63-5 Reg.nr.: 01-2119471485-32-XXXX	ethylenediamine, propoxylated Eye Irrit. 2, H319	5-10%
CAS: 25322-68-3	polyethylene glycol substance with a Community workplace exposure limit	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. Then consult a doctor.
- **Information for 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:**
CO₂, 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.
- **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**
Particular danger of slipping on leaked/spilled product.
- **6.2. Environmental precautions:** No special measures required.
- **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

- **Handling:**
- **7.1. Precautions for safe handling**
Appropriate regular employee training.

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Wear protective gloves/protective clothing/eye protection/face protection.
No special precautions are necessary if used correctly.

· **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:** None.

· **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:**

CAS No.	Designation of material	%	Type	Value	Unit
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25322-68-3 polyethylene glycol

AGW (Germany) Long-term value: 1000 E mg/m³
Ceiling limit: 8 (II) mg/m³
Y; DFG

WEEL (USA) Long-term value: 10 mg/m³
(H); MW>200

· **8.2. Exposure controls**

limit the exposure to:
8 hours

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

- **Respiratory protection:** Not required.
- **Protection of hands:** Protective gloves
- **Material of gloves:** Synthetic rubber gloves
- **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:	Light beige
Odour:	Characteristic
Odour threshold:	Not determined.

- **pH-value:** Not determined.

- **Change in condition**

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: >100 °C

- **Flash point:** >140 °C

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

- **Ignition temperature:** Not applicable.

- **Decomposition temperature:** Not determined.

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- **Auto-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. 1.53 g/cm³
- **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 at 20 °C:** ca. 2.900 mPas
Brookfield (4 / 20 rpm)
 - Kinematic:** Not determined.
- **9.2. Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1. Reactivity**
see item 10.3
No further relevant information available.
- **10.2. Chemical stability** Stable when stored and used properly.
- **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:**
 - 25322-68-3 polyethylene glycol**
 - Oral LD₅₀ >15,000 mg/kg (rat)
 - Dermal LD₅₀ >20,000 mg/kg (rabbit)
 - >2,000 mg/kg (rat)
 - 25214-63-5 ethylenediamine, propoxylated**
 - Oral LD₅₀ 2,001 mg/kg (rat)
 - Dermal LD₅₀ 2,001 mg/kg (rabbit)
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.

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- **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:**
 - 25322-68-3 polyethylene glycol**
 - LC₅₀ >100 mg / l / 96h (fish)
 - LC₅₀ >10,000 mg / l / 48h (water flea - daphnia)
 - EC₅₀ >100 mg / l / 48h (water flea - daphnia)
 - EC₅₀ >100 mg / l / 72h (algae)
 - 25214-63-5 ethylenediamine, propoxylated**
 - LC₅₀ >100 mg / l / 96h (Zebrafish - Danio rerio) (OECD 203)
 - LC₅₀ >100 mg / l / 48h (water flea - daphnia) (OECD 202)
- **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.
- **Ecotoxicological effects:**
- **Behaviour in sewage processing plants:**
- **Remark:**
At correct sewage disposal in small quantities to biological sewage plants failures of the activated sludge are not expected.
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly 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.
- **European waste catalogue**
08 04 09* waste adhesives and sealants containing organic solvents or other hazardous substances
- **Uncleaned packaging:**
- **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**
- **DOT, 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.

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- **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
- **EU-Regulations**
1067-33-0 Dibutyltin diacetate: REACH, Annex XVII, No. 20
556-67-2 2,2,4,4,6,6,8,8-octamethylcyclotetrasiloxane: REACH, Annex XVII, No. 70
541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane: REACH, Annex XVII, No. 70
67-56-1 methanol: REACH, Annex XVII, No. 69
- **Directive 2012/18/EU - Seveso-III:**
- **Named dangerous substances - ANNEX I** None of the ingredients is included.
- **National regulations:**
- **D: Waterhazard class** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations:** Restricted to professional users.
- **EU: VOC - Volatile Organic Compounds (Directive 13/1999/EC)**
- **VOC - portion [g/L]:** 0.0 g/l
- **VOC - portion [mass-%]:** 0.00 %
- **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**
H319 Causes serious eye irritation.
- **Department issuing SDS:** Safety & Environment
- **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
DOT: US Department of Transportation
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)
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

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