

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.12.2018



Version-No. 8

Revision: 15.04.2016

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

- **1.1. Product identifier**
- Trade name / Article-No: **KLEIBERIT 350.0**
- **1.2. Relevant identified uses of the substance / mixture or uses advised against**
No further relevant information available.
- **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 Dam. 1 H318 Causes serious eye damage.
Repr. 2 H361 Suspected of damaging fertility or the unborn child. Route of exposure: Oral.
STOT SE 2 H371 May cause damage to organs.
- **2.2. Label elements**
- **Hazard pictograms**


 GHS05 GHS08
- **Signal word** Danger
- **Hazard-determining components of labelling:**
butyl glycollate
methanol
- **Hazard statements**
H318 Causes serious eye damage.
H361 Suspected of damaging fertility or the unborn child. Route of exposure: Oral.
H371 May cause damage to organs.

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Precautionary statements

- P260 Do not breathe mist/vapours/spray.
- P280 Wear protective gloves / eye 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.
- P308+P311 IF exposed or concerned: Call a POISON CENTER.

Additional information:

Contains 1,2-Benzisothiazol-3(2H)-on. May produce an allergic reaction.
 Contains 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (mixture in a ratio 3:1). May produce an allergic reaction.

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:** Synthetic polymer emulsion of polyvinylacetate in water

Dangerous components:

Registry-No's	Identification / Classification GHS-CLP	%
CAS: 67-56-1 Reg.nr.: 01-2119433307-44-XXXX	methanol Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370	3-5%
CAS: 7397-62-8 Reg.nr.: 01-2119514685-36-XXXX	butyl glycollate Acute Tox. 3, H331; Repr. 2, H361; Eye Dam. 1, H318	3-5%

- **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

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Rinse with warm water.

After eye contact:

Rinse opened eye for several minutes under running water.

After swallowing:

Call for a doctor immediately.

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

Ethanoic acid

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- **5.3. Advice for firefighters**
- **Protective equipment:**
 - Mount respiratory protective device.
 - 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).
 - Dispose contaminated material as waste according to item 13.
 - Ensure adequate ventilation.
- **6.4. Reference to other sections**
 - No dangerous substances are released.
 - 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**
 - Enclosure or extractor facilities are required.
 - Spraying: in vented cabin with laminar air flow
 - Prevent formation of aerosols.
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - No special measures required.
 - Ensure good ventilation/exhaustion at the workplace.
 - Close the container immediately after usage.
 - Application temperature is not higher than 20°C above the surrounding temperature
 - Avoid taking samples by immersion
- **Information about fire - and explosion protection:** No special measures required.
- **General protective and hygienic measures:** 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:** 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:**

· DNELs

67-56-1 methanol

Dermal	DNEL short	40 mg/kg (human being)
	DNEL long term	40 mg/kg (human being)
Inhalative	DNEL short	260 mg/m ³ (human being)
	DNEL long term	260 mg/m ³ (human being)

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7397-62-8 butyl glycollate

Dermal DNEL long term 34.7 mg/kg (human being)

Inhalative DNEL long term 21.2 mg/m³ (human being)· **PNECs****67-56-1 methanol**

PNEC- Freshwater 154 mg/l (x00)

PNEC-seawater 15.4 mg/l (x00)

PNEC-soil 23.5 mg/kg (x00)

PNEC-wastewater treatment plant 100 mg/l (x00)

7397-62-8 butyl glycollate

PNEC- Freshwater 0.05 mg/l (x00)

PNEC-Freshwater sediment 0.203 mg/kg (x00)

PNEC-soil 0.0112 mg/kg (x00)

PNEC-wastewater treatment plant 232 mg/l (x00)

· **CAS No. Designation of material % Type Value Unit****67-56-1 methanol**WEL (Great Britain) Short-term value: 333 mg/m³, 250 ppm
Long-term value: 266 mg/m³, 200 ppm
SkAGW (Germany) 270 mg/m³, 200 ppm
4(II);DFG, EU, H, YPEL (USA) 260 mg/m³, 200 ppmREL (USA) Short-term value: 325 mg/m³, 250 ppm
Long-term value: 260 mg/m³, 200 ppm
SkinTLV (USA) Short-term value: 328 mg/m³, 250 ppm
Long-term value: 262 mg/m³, 200 ppm
Skin; BEI· **8.2. Exposure controls**limit the exposure to:
8 hours· **Personal protective equipment:**· **General protective and hygienic measures:** Avoid contact with the eyes and skin.· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:** Protective gloves· **Eye protection:** Safety glasses**SECTION 9: Physical and chemical properties**· **9.1. Information on basic physical and chemical properties**· **General Information**· **Appearance:****Form:** Fluid**Colour:** Beige· **Odour:** Acidic· **Odour threshold:** Not determined.· **pH-value at 20 °C:** 7

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- **Change in condition**
 - Melting point/freezing point:** Undetermined.
 - Initial boiling point and boiling range:** 100 °C
- **Flash point:** Not applicable.
- **Flammability (solid, gas):** Not applicable.
- **Ignition temperature:** Not applicable.
- **Decomposition temperature:** Not determined.
- **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 at 20 °C:** 23 hPa
- **Density at 20 °C:** 1.23 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:** 25000 mPas
Method: Brookfield RVT
 - Kinematic:** Not determined.
 - Organic solvents:** 6.6 %
 - Water:** 27.1 %
- **9.2. Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1. Reactivity** see item 10.3
- **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:**

67-56-1 methanol

Oral	LD ₅₀	143 mg/kg (human being)
		7,300 mg/kg (mouse)
		5,900 mg/kg (rat)
Dermal	LD ₅₀	20,000 mg/kg (rabbit)
Inhalative	LC ₅₀ /4 h	85 mg/l (rat)

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7397-62-8 butyl glycollate

Oral LD₅₀ 4,595 mg/kg (rat)
 Inhalative LC₅₀ >6.2 mg/l (rat)

2634-33-5 1,2-benzisothiazol-3(2H)-one;1,2-benzisothiazolin-3-one

Oral LD₅₀ >1,150 mg/kg (mouse)
 1,020 mg/kg (rat)
 Dermal LD₅₀ >2,000 mg/kg (mouse)
 4,115 mg/kg (rat)

55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)

Oral LD₅₀ 53 mg/kg (rat)
 Dermal LD₅₀ 141 mg/kg (rabbit)
 Inhalative LC₅₀ /4 h 2.36 mg/l (rat)
 LC₅₀/4h_(dust,mist) 0.33 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
Reproduction toxic Cat. 2; H 361 (CLP)
- **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**
Suspected of damaging fertility or the unborn child. Route of exposure: Oral.
- **Reproductive toxicity**

7397-62-8 butyl glycollate

Oral NOAEL - No Observed Adverse Effect Level 250 mg/kg bw/day (rat) (OECD 414)

- **STOT-single exposure**
May cause damage to organs.
- **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:**

67-56-1 methanolLC₅₀ 15,500 mg / l / 96h (Bluegill - Lepomis macrochirus)**7397-62-8 butyl glycollate**

LC₀ 50 g/l (48 h) (gold orf w - Leuciscus idus)
 EC₅₀ 280 mg / l / 24h (water flea - Daphnia)

2634-33-5 1,2-benzisothiazol-3(2H)-one;1,2-benzisothiazolin-3-one

LC₅₀ 1.3 mg / l / 96h (Fathead minnow - Pimephales promelas)
 LC₅₀ 2.94 mg / l / 48h (water flea - Daphnia)
 EC₅₀ 3.7 mg / l / 48h (water flea - Daphnia)
 EC₅₀ 0.37 mg / l / 72h (green algae-Ps.kirchneriella subcapitata)

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55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)

LC₅₀ 0.19 mg / l / 96h (Fathead minnow - Pimephales promelas)

0.19 mg / l / 96h (fish)

EC₅₀ 0.16 mg / l / 48h (water flea - Daphnia)

EC₅₀ 0.018 mg / l / 72h (green algae-Ps.kirchneriella subcapitata)

- **12.2. Persistence and degradability** No further relevant information available.
- **Other information:** The product is biodegradable.
- **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**
Can be burned with household garbage / commercial waste after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue**
08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09
- **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 | No dangerous goods. |
| · 14.2. UN proper shipping name | Not applicable |
| · 14.3. Transport hazard class(es) | Not applicable |
| · 14.4. Packing group | Not applicable |
| · 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
- **EU-Regulations**
67-56-1 methanol: REACH, Annex XVII, No. 69

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- **National regulations:**
- **D: Waterhazard class** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **EU: VOC - Volatile Organic Compounds (Directive 13/1999/EC)**
- **VOC - portion [g/L]:** 121.8 g/l
- **VOC - portion [mass-%]:** 6.60 %
- **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**

H225 Highly flammable liquid and vapour.
 H301 Toxic if swallowed.
 H311 Toxic in contact with skin.
 H318 Causes serious eye damage.
 H331 Toxic if inhaled.
 H361 Suspected of damaging fertility or the unborn child. Route of exposure: Oral.
 H370 Causes damage to organs.

- **Department issuing SDS:** Safety & Environment

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 ICAO: International Civil Aviation Organisation
 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)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 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
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Repr. 2: Reproductive toxicity – Category 2
 STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
 STOT SE 2: Specific target organ toxicity (single exposure) – Category 2