

Safety data sheet
 according to Regulation (EC) No. 1907/2006 as amended from
 time to time

Printing date 06.04.2023

Version-No. 4 (replaces version 3)

Revision: 06.04.2023

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

- **1.1. Product identifier**
- Trade name / Article-No: **KLEIBERIT 842.3**
- **1.2. Relevant identified uses of the substance / mixture or uses advised against**
 For professional users only.
- **Application of the substance / the mixture** Priming
- **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)
112 Emergency telephone number for Malta
543 22 22 Icelandic University Hospital

SECTION 2: Hazards identification

- **2.1. Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008 - GHS/CLP**
 The product is not classified as hazardous to health or environment according to the CLP regulation.
- **2.2. Label elements**
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**
 Safety data sheet available on request.
- **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: 141-78-6	Acetic ether	<2%
Reg.nr.: 01-2119475103-46-XXXX	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	

(Contd. on page 2)

Safety data sheet

according to Regulation (EC) No. 1907/2006 as amended from
time to time

Printing date 06.04.2023

Version-No. 4 (replaces version 3)

Revision: 06.04.2023

Trade name / Article-No: **KLEIBERIT 842.3**

(Contd. of page 1)

· **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. 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:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **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**
Wear protective equipment. Keep unprotected persons away.
Particular danger of slipping on leaked/spilled product.
Keep away from ignition sources.
- **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).
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**
Appropriate regular employee training.
Handle the substance preferably in closed system
Enclosure or extractor facilities are required.
Not less than 5 -15 air exchanges per hour
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.
Spraying: in vented cabin with laminar air flow
Wear protective gloves/protective clothing/eye protection/face protection.
Store in cool, dry place in tightly closed receptacles.
Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
Application temperature is not higher than 20°C above the surrounding temperature
Use drum pumps or pour from the container carefully
Avoid taking samples by immersion

(Contd. on page 3)

Safety data sheet
according to Regulation (EC) No. 1907/2006 as amended from
time to time

Printing date 06.04.2023

Version-No. 4 (replaces version 3)

Revision: 06.04.2023

Trade name / Article-No: KLEIBERIT 842.3*(Contd. of page 2)*

- Do not allow to reach ground water, water bodies or sewage system.
- Clean the pipe before decoupling
- Close the container immediately after usage.
- **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:**
- Store outdoors.
- Prevent any seepage into the ground.
- **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

- **8.1. Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- **DNELs**

111109-77-4 Dipropylenglykoldimethylether

Dermal DNEL long term 22.1 mg/kg (rat)

Inhalative DNEL long term 133 mg/m³ (rat)**141-78-6 Acetic ether**

Dermal DNEL long term 63 mg/kg (human being)

Inhalative DNEL short term 1,468 mg/m³ (human being)DNEL long term 734 mg/m³ (human being)**67-56-1 methanol**

Dermal DNEL short term 40 mg/kg (human being)

DNEL long term 40 mg/kg (human being)

Inhalative DNEL short term 260 mg/m³ (human being)DNEL long term 260 mg/m³ (human being)

- **PNECs**

dibasic esters

PNEC- Freshwater 0.018 mg/l (not specified)

PNEC-seawater 0.0018 mg/l (not specified)

PNEC-Freshwater sediment 0.16 mg/kg (not specified)

PNEC-Seawater sediment 0.016 mg/kg (not specified)

PNEC-soil 0.09 mg/kg (not specified)

PNEC-wastewater treatment plant 10 mg/l (not specified)

111109-77-4 Dipropylenglykoldimethylether

PNEC- Freshwater 1 mg/l (rat)

PNEC-seawater 0.1 mg/l (rat)

PNEC-periodic release 10 mg/l (rat)

PNEC-Seawater sediment 10 mg/kg (rat)

PNEC-soil 0.1 mg/kg (rat)

141-78-6 Acetic ether

PNEC- Freshwater 0.26 mg/l (not specified)

(Contd. on page 4)

Safety data sheet

according to Regulation (EC) No. 1907/2006 as amended from
time to time

Printing date 06.04.2023

Version-No. 4 (replaces version 3)

Revision: 06.04.2023

Trade name / Article-No: KLEIBERIT 842.3*(Contd. of page 3)*

PNEC-seawater	0.026 mg/l (not specified)
PNEC-periodic release	1.65 mg/l (not specified)
PNEC-Freshwater sediment	1.25 mg/kg (not specified)
PNEC-Seawater sediment	0.125 mg/kg (not specified)
PNEC-soil	0.148 mg/kg (not specified)
PNEC-wastewater treatment plant	650 mg/l (not specified)

67-56-1 methanol

PNEC- Freshwater	154 mg/l (not specified)
PNEC-seawater	15.4 mg/l (not specified)
PNEC-soil	23.5 mg/kg (not specified)
PNEC-wastewater treatment plant	100 mg/l (not specified)

CAS No.	Designation of material	%	Type	Value	Unit
---------	-------------------------	---	------	-------	------

141-78-6 Acetic ether

IOELV (INT)	Short-term value: 1468 mg/m ³ , 400 ppm Long-term value: 734 mg/m ³ , 200 ppm
AGW (Germany)	Long-term value: 730 mg/m ³ , 200 ppm 2(I);DFG, EU, Y

8.2. Exposure controls

limit the exposure to:
8 hours

· **Appropriate engineering controls** No further data; see item 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

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

· **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation:
Filter A/P2 (EN 14387)

· **Hand protection** Protective gloves

· **Material of gloves** B Polyethylenlylon: Barrier™ (0,062 mm)

· **Eye/face protection** Safety glasses

· **Body protection:** Protective work clothing

· **Environmental exposure controls**

The floor surface in the facility has to be sealed.

Waste air is to be released into the atmosphere only via suitable separators.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Yellow tint

· **Odour:**

Weak, characteristic

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

175 °C

· **Flammability**

Not applicable.

· **Lower and upper explosion limit**

· **Lower:**

0.9 Vol %

· **Upper:**

8 Vol %

· **Flash point:**

61 °C

(Contd. on page 5)

Safety data sheet

according to Regulation (EC) No. 1907/2006 as amended from
time to time

Printing date 06.04.2023

Version-No. 4 (replaces version 3)

Revision: 06.04.2023

Trade name / Article-No: KLEIBERIT **842.3**

(Contd. of page 4)

· Auto-ignition temperature:	165 °C
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic at 20 °C:	ca. 20 mPas Brookfield (1 / 20 rpm)
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	0.7 hPa
· Density and/or relative density	
· Density at 20 °C:	ca. 1.03 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· 9.2. Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

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.

(Contd. on page 6)

Safety data sheet

according to Regulation (EC) No. 1907/2006 as amended from
time to time

Printing date 06.04.2023

Version-No. 4 (replaces version 3)

Revision: 06.04.2023

Trade name / Article-No: KLEIBERIT **842.3**

(Contd. of page 5)

- **10.6. Hazardous decomposition products:** No dangerous decomposition products known.

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.

- **LD/LC₅₀ values relevant for classification:**

dibasic esters

Oral LD₅₀ >5,000 mg/kg (rat)Dermal LD₅₀ >2,000 mg/kg (rat)Inhalative LC₅₀/4h_(dust,mist) 21 mg/l (rat)

141-78-6 Acetic ether

Oral LD₅₀ 4,934 mg/kg (rabbit)
Methode: OECD 401Dermal LD₅₀ >20,000 mg/kg (rabbit)Inhalative LC₅₀ /4 h 29.3 mg/l (rat)

67-56-1 methanol

Oral LD₅₀ 143 mg/kg (human being)

7,300 mg/kg (mouse)

5,900 mg/kg (rat)

Dermal LD₅₀ 20,000 mg/kg (rabbit)Inhalative LC₅₀ /4 h 85 mg/l (rat)

- **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.
- **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**

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1. Toxicity**

- **Aquatic toxicity:**

dibasic esters

EC₅₀ 112-150 mg / l / 48h (water flea - daphnia)

141-78-6 Acetic ether

LC₅₀ 230 mg / l / 96h (fish)EC₅₀ 5,600 mg / l / 48h (algae)

610 mg / l / 48h (water flea - daphnia) (DIN 38412)

67-56-1 methanol

LC₅₀ 15,500 mg / l / 96h (Bluegill - Lepomis macrochirus)

- **12.2. Persistence and degradability** No further relevant information available.

(Contd. on page 7)

Safety data sheet

according to Regulation (EC) No. 1907/2006 as amended from
time to time

Printing date 06.04.2023

Version-No. 4 (replaces version 3)

Revision: 06.04.2023

Trade name / Article-No: KLEIBERIT **842.3**

(Contd. of page 6)

- **12.3. Bioaccumulative potential** No further relevant information available.
- **12.4. Mobility in soil** No further relevant information available.
- **12.5. Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse 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:**
Not known to be hazardous to water.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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.
- **European waste catalogue**
07 03 04* other organic solvents, washing liquids and mother liquors
- **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 or ID 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.
- **14.6. Special precautions for user** Not applicable.
- **14.7. Maritime transport in bulk according to IMO instruments** 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
 - **Directive 2012/18/EU - Seveso-III:**
 - **Named dangerous substances - ANNEX I** None of the ingredients is included.
 - **Regulation (EC) No 1907/2006 - REACH, ANNEX XVII** Conditions of restriction: 69
 - **Regulation (EU) No 649/2012**
- None of the ingredients is listed.

(Contd. on page 8)

Safety data sheet

according to Regulation (EC) No. 1907/2006 as amended from time to time

Printing date 06.04.2023

Version-No. 4 (replaces version 3)

Revision: 06.04.2023

Trade name / Article-No: **KLEIBERIT 842.3***(Contd. of page 7)*

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

- **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.

- **VOC - 2010/75/EU [g/L]:** <310.0 g/l

- **VOC - 2010/75/EU [%]:** <30.00 %

- **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**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

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

- **Version number of previous version:** 3

- **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

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)

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

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3