

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.12.2022

Version-No. 10 (replaces version 9)

Revision: 08.12.2022

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

- **1.1. Product identifier**
- Trade name / Article-No: **KLEIBERIT 332.0**
- **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
D - 76356 Weingarten / Baden
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)

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:**
Contains 1,2-Benzisothiazol-3(2H)-on. May produce an allergic reaction.
Contains 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4isothiazolin-3-one (mixture in a ratio 3:1). May produce an allergic reaction.
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:** Synthetic polymer emulsion of polyvinylacetate in water
- **Dangerous components:**

Registry-No's	Identification / Classification GHS-CLP	%
CAS: 112926-00-8	Silica gel, pptd., cryst.-free	<0.5%
Reg.nr.: 01-2119379499-16-XXXX	Nanoform: Spheroidal, amorphous nanoform, set including amorphous nanoforms, amorphous forms, surface-treated nanoforms	

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.12.2022

Version-No. 10 (replaces version 9)

Revision: 08.12.2022

Trade name / Article-No: **KLEIBERIT 332.0**

(Contd. of page 1)

CAS: 2634-33-5 Reg.nr.: 05-2114263215-55-XXXX	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	<0.05%
CAS: 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) Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	≥ 0.00025- < 0.0015%

· **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 skin contact:** Rinse with warm water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then 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.
- **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:** Dilute with plenty of water.
- **6.3. Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.12.2022

Version-No. 10 (replaces version 9)

Revision: 08.12.2022

Trade name / Article-No: **KLEIBERIT 332.0***(Contd. of page 2)***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

- Spraying: in vented cabin with laminar air flow
- Application temperature is not higher than 20°C above the surrounding temperature
- 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

8.1. Control parameters**Ingredients with limit values that require monitoring at the workplace:****DNELs****131298-44-7 isodecylbenzoates**

- Dermal DNEL long term 206 mg/kg (human being)
- Inhalative DNEL long term 181 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**131298-44-7 isodecylbenzoates**

- PNEC-soil 0.065 mg/kg (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)

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)

- PNEC- Freshwater 0.00339 mg/l (not specified)
- PNEC-seawater 0.00339 mg/l (not specified)

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.12.2022

Version-No. 10 (replaces version 9)

Revision: 08.12.2022

Trade name / Article-No: **KLEIBERIT 332.0**

(Contd. of page 3)

PNEC-Freshwater sediment	0.027 mg/kg (not specified)
PNEC-Seawater sediment	0.027 mg/kg (not specified)
PNEC-soil	0.01 mg/kg (not specified)
PNEC-wastewater treatment plant	0.027 mg/l (not specified)

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

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

MAK (Germany) vgl.Abschn.IIb und Xc

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)				
-------------------	---	--	--	--	--

MAK (Germany) Long-term value: 0.2E mg/m³
vgl.Abschn.Xc

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:	Not necessary if room is well-ventilated.
--------------------------------	---

Hand protection	Protective gloves
------------------------	-------------------

Material of gloves	Synthetic rubber gloves
---------------------------	-------------------------

Eye/face 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	
----------------------------	--

Physical state	Fluid
-----------------------	-------

Colour:	Beige
----------------	-------

Odour:	Acidic
---------------	--------

Odour threshold:	Not determined.
-------------------------	-----------------

Melting point/freezing point:	Undetermined.
--------------------------------------	---------------

Boiling point or initial boiling point and boiling range	100 °C
---	--------

Flammability	Not applicable.
---------------------	-----------------

Lower and upper explosion limit	
--	--

Lower:	Not determined.
---------------	-----------------

Upper:	Not determined.
---------------	-----------------

Flash point:	Not applicable.
---------------------	-----------------

Ignition temperature:	Not applicable.
------------------------------	-----------------

Decomposition temperature:	Not determined.
-----------------------------------	-----------------

pH at 20 °C	ca. 5
--------------------	-------

Viscosity:	
-------------------	--

Kinematic viscosity	Not determined.
----------------------------	-----------------

Dynamic at 20 °C:	ca. 8.000 mPas Brookfield (6 / 20 rpm)
--------------------------	--

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.12.2022

Version-No. 10 (replaces version 9)

Revision: 08.12.2022

Trade name / Article-No: **KLEIBERIT 332.0***(Contd. of page 4)*

· Solubility	
· water:	Fully miscible.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	23 hPa
· Density and/or relative density	
· Density at 20 °C:	ca. 1.1 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.	
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· 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.
- **10.6. Hazardous decomposition products:** No dangerous decomposition products known.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.12.2022

Version-No. 10 (replaces version 9)

Revision: 08.12.2022

Trade name / Article-No: **KLEIBERIT 332.0**

(Contd. of page 5)

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:**

9003-20-7 polyvinyl acetate

Oral LD₅₀ 3,080 mg/kg (rat) (Repeated Dose 90-day Oral Toxicity Study in Rodent)
pro Tag / per day

131298-44-7 isodecylbenzoates

Oral LD₅₀ >5,000 mg/kg (rat) (OECD 401)
Dermal LD₅₀ 2,001 mg/kg (rabbit) (OECD 402)
Krahn, SD 27.10.2008 <sw>
>2,000 mg/kg (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)

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 457 mg/kg (rat)
Dermal LD₅₀ 141 mg/kg (rabbit)
Inhalative LC₅₀ /4 h 0.33 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:**

9003-20-7 polyvinyl acetate

LC₅₀ >100 mg / l / 96h (Fathead minnow - Pimephales promelas)

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.12.2022

Version-No. 10 (replaces version 9)

Revision: 08.12.2022

Trade name / Article-No: **KLEIBERIT 332.0***(Contd. of page 6)***67-56-1 methanol**LC₅₀ 15,500 mg / l / 96h (Bluegill - Lepomis macrochirus)**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.· **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.

· **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.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.**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

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.12.2022

Version-No. 10 (replaces version 9)

Revision: 08.12.2022

Trade name / Article-No: **KLEIBERIT 332.0**

(Contd. of page 7)

- **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: 3
- **Regulation (EU) No 649/2012**
None of the ingredients is listed.
- **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]:** <3.1 g/l
- **VOC - 2010/75/EU [%]:** <0.28 %
- **National Regulations (others than Germany or EU)**
- **French Regulation (Decree No. 2011-321):** class A+
- **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.

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.12.2022

Version-No. 10 (replaces version 9)

Revision: 08.12.2022

Trade name / Article-No: KLEIBERIT 332.0

(Contd. of page 8)

· Relevant phrases

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H310 Fatal in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- EUH071 Corrosive to the respiratory tract.

· Version number of previous version: 9
· 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
- Acute Tox. 3: Acute toxicity – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Acute Tox. 2: Acute toxicity – Category 2
- Skin Corr. 1C: Skin corrosion/irritation – Category 1C
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Skin Sens. 1: Skin sensitisation – Category 1
- Skin Sens. 1A: Skin sensitisation – Category 1A
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2