

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/21/2023



Version-No. 7

Reviewed on 09/21/2023

1 Identification

- **1.1. Product identifier**
- Trade name / Article No: **KLEIBERIT 782.0** **(782.0.99)**
- **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
- KLEIBERIT Adhesives Canada, Inc.
45 Sheppard Avenue East, Suite 900
Toronto, Ontario M2N 5W9
Canada
- **Information department:**
e-mail: hse@kleiberit.com
- Phone 1-704-843-3339
FAX 1-704-843-4930
- **1.4. Emergency telephone number:**
+1 800 579 7421 Canada (English, French)
+1 215 207 0061 Americas regional number (English, Spanish, Portuguese)

2 Hazard identification

- **2.1. Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008 - GHS/CLP**
Sensitization - Skin 1 H317 May cause an allergic skin reaction.
- **2.2. Label elements**
- **Hazard pictograms**
- 
- GHS07
- **Signal word** Warning
- **Hazard-determining components of labeling:**
Rosin, maleinated, polymer with pentaerythritol
- **Hazard statements**
H317 May cause an allergic skin reaction.
- **Precautionary statements**
- P280 Wear protective gloves / eye protection.
- P302+P352 If on skin: Wash with plenty of soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- **NFPA-ratings (scale 0 - 4) - USA:**
-  Health = 0
Fire = 0
Reactivity = 0

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CDN

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- **HMIS-ratings (scale 0 - 4) - USA:**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

- **WHMIS Classes, Divisions and Subdivisions - Canada** Not restricted

- **Class D - Poisonous and Infectious Materials**
Division 2 - Materials Causing Other Toxic Effects
Subdivision B - Toxic Materials

- **2.3. Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/Information on ingredients

- **3.2 Mixtures**

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

- **Dangerous components:**

Registry-No's	Identification / Classification GHS-CLP	%
CAS: 7727-43-7 RTECS: CR 0600000	barium sulfate	10-20% w/w *
CAS: 68333-69-7	Rosin, maleinated, polymer with pentaerythritol Sensitization - Skin 1B, H317	10-20% w/w *

* Actual concentration ranges are withheld as a trade secret.

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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. Then consult a doctor.
- **After swallowing:** Immediately call a 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.

5 Fire-fighting measures

- **5.1. Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:**
- **Flash point :** See Pos. 9
- **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.

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6 Accidental release measures

- **6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

- **6.2. Environmental precautions:** No special measures required.

- **6.3. Methods and material for containment and cleaning up:** Pick up mechanically.

- **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.

7 Handling and storage

- **7.1. Precautions for safe handling** Prevent formation of dust.

- **Information about protection against explosions and fires:**

Dust can combine with air to form an explosive mixture.

- **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.

8 Exposure controls/ Personal protection

- **8.1. Control parameters**

- **Additional information about design of technical systems:** No further data; see section 7.

- **Components with limit values that require monitoring at the workplace:**

CAS No.	Designation of material	%	Type	Value	Unit
7727-43-7	barium sulfate				
EL (USA)	TWA: 5 mg/m ³				
	inhalable				
EV (USA)	TWA: 10 mg/m ³				
	total dust				
PEL (USA)	TWA: 15* 5** mg/m ³				
	*total dust **respirable fraction				
REL (USA)	TWA: 10* 5** mg/m ³				
	*total dust **respirable fraction				
TLV (USA)	TWA: 5* mg/m ³				
	*inhalable fraction; E				

- **7727-43-7 barium sulfate**

EL (USA) TWA: 5 mg/m³
inhalableEV (USA) TWA: 10 mg/m³
total dustPEL (USA) TWA: 15* 5** mg/m³
*total dust **respirable fractionREL (USA) TWA: 10* 5** mg/m³
*total dust **respirable fractionTLV (USA) TWA: 5* mg/m³
*inhalable fraction; E

- **8.2. Exposure controls**

limit the exposure to:

8 hours

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

- **Breathing equipment:** Not necessary if room is well-ventilated.

- **Protection of hands:**

Protective gloves

Heat resistant gloves

- **Material of gloves**

A Nitrile rubber - NBR: AlphaTec® (Lamination strength not applicable)

Leather gloves

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- **Eye protection:** Tightly sealed goggles
- **Body protection:** Protective work clothing
- **Thermal hazards** Risk of burns during thermal processing.

9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information

Appearance:

Form: Solid

Color: Black

· **Odor:** Weak, characteristic

· **Odor threshold:** Not determined.

· **pH-value:** Not applicable.

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

Softening temperature / range: ca. 120 ° C

· **Flash Point:** Not applicable.

· **Flammability (solid, gaseous):** Not determined.

· **Ignition Temperature:** Not applicable.

· **Decomposition Temperature:** Not determined.

· **Auto Igniting:** Product is not selfigniting.

· **Danger of Explosion:** Product does not present an explosion hazard.

Explosion Limits:

Lower: Not determined.

Upper: Not determined.

· **Vapor Pressure:** Not applicable.

· **Density at 20 °C (68 °F):** ca. 1.3 g/cm³ (ca. 10.85 lbs/gal)

· **Relative Density** Not determined.

· **Vapour Density** Not applicable.

· **Evaporation Rate** Not applicable.

Solubility in / Miscibility with

Water: Insoluble.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:** At room temperature: not applicable

· **Dynamic:** Not applicable.

· **Kinematic:** Not applicable.

· **9.2. Other information** No further relevant information available.

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.

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- **10.6. Hazardous decomposition products:** Above 200°C forms ethanoic acid.
- **Additional information:**
When hotmelt adhesives are melted and applied, vapours are set free and an unpleasant odour can occur, even if the recommended working temperature has been observed. Moreover if the prescribed working temperature is exceeded over a longer period, harmful decomposition products can develop. Therefore measures for the elimination of the vapours have to be taken, e.g. by means of an appropriate ventilation/ exhaust device.

11 Toxicological information

- **11.1. Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:**

64365-17-9 Resin acids and Rosin acids, hydrogenated, esters with pentaerythritol
Oral LD₅₀ >2,000 mg/kg (rat)
- **Primary irritant effect:**
- **on the skin:** Based on available data, the classification criteria are not met.
- **on the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:**
May cause an allergic skin reaction.
- **Additional toxicological information:**
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**

vinyl acetate: 2B
- **NTP (National Toxicology Program)**

None of the ingredients is listed.
- **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.
- **Specific target organ toxicity - single exposure**
Based on available data, the classification criteria are not met.
- **Specific target organ toxicity - repeated exposure**
Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

12 Ecological information

- **12.1. Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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 Other adverse effects** No further relevant information available.

13 Disposal considerations

- **13.1. Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Recommendation:**
Non contaminated packagings can be used for recycling.

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Empty contaminated packagings thoroughly. Disposal must be made according to official regulations.

14 Transport information

- 14.1. UN-Number
- DOT/TDG, ADR, IMDG, IATA
- 14.2. UN proper shipping name
- DOT/TDG, ADR, IMDG, IATA
- 14.3. Transport hazard class(es)
- 14.3. DOT/TDG (Transport dangerous goods):
- Class
- Class
- 14.4. Packing group
- DOT/TDG, ADR, IMDG, IATA
- 14.5. Environmental hazards:
- 14.6. Special precautions for user
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Void

Void

Void

No dangerous good

Void

Void

Not applicable.

Not applicable.

Not applicable.

15 Regulatory information

- 15.1. **Safety, health and environmental regulations/legislation specific for the substance or mixture**
See position no 2 - Hazards Identification
- **SARA (Superfund Amendments and Reauthorization Act) - USA**
- **Section 355 (Extremely hazardous substances):**

None of the ingredients is listed.
- **Section 313 (Specific toxic chemical listings):**

7727-43-7 barium sulfate
- **TSCA (Toxic Substances Control Act) - USA: (Substances not listed)**

Amorphous polyolefin
1000-00-0 ungefährlicher Inhaltsstoff
- **DSL (Canadian Domestic Substance List) - Canada: (Substances not listed)**

Amorphous polyolefin
- **Canadian Non-Domestic Substances List (NDSL)**

1317-65-3 calcium carbonate
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations:** For professional users only.
- **15.2. Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**
H317 May cause an allergic skin reaction.
- **Department issuing SDS:** Safety & Environment
- **Abbreviations and acronyms:**
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association

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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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

CDN