

Safety Data Sheet

according to HPR, Schedule 1

Printing date 02/07/2023




Version-No. 2

Reviewed on 02/07/2023

1 Identification

- **1.1. Product identifier**
- **Trade name / Article No: KLEIBERIT 774.4.99**
- **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
D - 76356 Weingarten / Baden
Germany
- **Information department:**
e-mail: hse@kleiberit.com
- KLEIBERIT Adhesives Canada, Inc.
45 Sheppard Avenue East, Suite 900
Toronto, Ontario M2N 5W9
Canada
- 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**
Toxic to Reproduction 2 H361 Suspected of damaging fertility or the unborn child.
- **2.2. Label elements**
- **Hazard pictograms**
- 
- GHS08
- **Signal word** Warning
- **Hazard-determining components of labeling:**
Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene
- **Hazard statements**
H361 Suspected of damaging fertility or the unborn child.
- **Precautionary statements**
P280 Wear protective gloves / eye protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.
- **NFPA-ratings (scale 0 - 4) - USA:**
- 
- Health = 0
Fire = 0
Reactivity = 0
- **HMIS-ratings (scale 0 - 4) - USA:**
- 
- Health = 0
Fire = 0
Reactivity = 0

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- **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	%
68610-51-5	Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene Toxic to Reproduction 2, H361	≥0.1-<0.5% 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:** 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:** 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.

6 Accidental release measures

- **6.1. Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.

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- **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 item 7.
- **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**
Synthetic gloves
Leather gloves
- **Eye protection:** Safety glasses
- **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:	Different according to coloring
- **Odor:** Weak, characteristic
- **Odor threshold:** Not determined.

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- **pH-value:** Not applicable.
- **Change in condition**
 - **Melting point/Melting range:** Undetermined.
 - **Boiling point/Boiling range:** Undetermined.
- **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. 1.4 g/cm³ (ca. 11.68 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.
- **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.

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11 Toxicological information

- **11.1. Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **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:** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**
- Polyethylene low density: 3
- Butylated hydroxytoluene: 3
- vinyl acetate: 2B
- **NTP (National Toxicology Program)**
- None of the ingredients is listed.
- **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.
- **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.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to 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.

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.

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- **Recommendation:**

Non contaminated packagings can be used for recycling.

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

14 Transport information

- **14.1. UN-Number**
- **DOT/TDG, ADR, IMDG, IATA** Void
- **14.2. UN proper shipping name**
- **DOT/TDG, ADR, IMDG, IATA** Void
- **14.3. Transport hazard class(es)**
- **14.3. DOT/TDG (Transport dangerous goods):**
- **Class** Void
No dangerous good
- **Class** Void
- **14.4. Packing group**
- **DOT/TDG, ADR, IMDG, IATA** Void
- **14.5. Environmental hazards:** Not applicable.
- **14.6. Special precautions for user** Not applicable.
- **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** 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):**
None of the ingredients is listed.
- **TSCA (Toxic Substances Control Act) - USA: (Substances not listed)**
All components of this product are listed or exempted.
- **DSL (Canadian Domestic Substance List) - Canada: (Substances not listed)**
All components of this product are listed or exempted.
- **Canadian Non-Domestic Substances List (NDSL)**
1317-65-3 calcium carbonate
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations:** Restricted to professional users.
- **CDN: WHMIS-controlled material**
Division 2 - Materials Causing Other Toxic Effects
Subdivision B - Toxic Materials
- **15.2. Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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Trade name / Article No: KLEIBERIT 774.4.99*(Contd. of page 6)***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

H361 Suspected of damaging fertility or the unborn child.

· 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

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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

CDN