



Supramelt GL 782.0

Fields of application

Bonding of

- Veneer and solid wood edges
- Decorative laminate edges
- Polyester edges
- Synthetic resin edges
- PVC and ABS edges

Properties of the adhesive

Base:	EVA-Copolymer
Specific gravity:	approx. 1.3 g/cm ³
Melting point (ring and ball) DIN 1995:	110° ± 5 °C
Melting index according to DIN 53 735 (MFI 150/2.16):	60 ±
15 g/10 minutes	
Time required for heating up:	2 – 5 minutes
Working temperature:	200 - 220 °C (Thermostate indication)
Line speed:	8 to over 20 m/minutes, depending on machine
Heat resistance:	up to +80 °C depending on the edge
Cold resistance:	as low as -20 °C depending on the edge
Delivery form:	Cartridges Diameter 63 ± 0,5 mm, Length 80 ± 2mm
Colour numbers:	white (10), ivory (20), mahogany (70)
Identification:	identification not required according to the German hazardous substances regulations GefStoff (see our safety data sheet)

Attention

When hot melt 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. Precautions should be taken to eliminate the vapours, e.g. by using a suitable ventilation system.

Application techniques

Substrates:

The substrates for edge banding have to be processed at exactly right-angles and should be free from dust. Boards and edges have to be conditioned to room temperature. The most favourable moisture content of the wood is 8-10%. The room temperature must not be lower than 18°C. Draughts have to be avoided.

Time required for heating up:

2 – 5 minutes

Working temperature:

200 - 220 °C (thermostate indication)

Working temperature may be increased to 230 °C for a short time when using woods difficult to bond. The temperature control at the application nozzle is especially important when decorative laminate edges and solid wood edges are to be bonded. With long and thick parts you should work in the upper temperature range. Low temperatures reduce the wetting of the edge.

Line speed:

From 8 to over 20 m/minute, depending on machine

Application quantity:

The quantity to be applied and the pressure should be adjusted in such a manner as to show some pearling on the end of the bond. In order to check whether the adhesive film has been applied continuously, a strip of rigid and transparent PVC can be used.

Some hints for the bonding of solid wood:

- If you are using solid wood edges you should give preference to wood with straight grain which does not tend to deflecting ("plating").
- Wood edges with annual rings which are standing vertically to the joint give optimum strength.
- Work with precision when preparing the substrate material.
- Avoid a cut surface which is too coarse.
- The pressing devices distance should be set slightly less than the edges' thickness.



Supramelt GL 782.0

Trials by the user are absolutely necessary as edge materials are in a continual process of change.

Cleaning

Please see instructions of the manufacturer when cleaning the application unit.

Packaging

KLEIBERIT 782.0:

Cartons of 45 cartridges, approx. 15 kg net

Storage

KLEIBERIT Supramelt GL 782.0 can be stored for approx. 1 year. Keep in cool and dry place.

EX0900

Waste Disposal

Disposal of contents and/or containers should comply with all applicable federal, state and local regulations.

Our containers are made of recyclable material.

Service

Our application department may be consulted at any time without obligation. The statements made herein are based on our experience gained to date. They are to be considered as information without obligation. Please test and establish for yourself the suitability of our products for your particular purposes. No liability exceeding the value of our product can be derived from the foregoing statements. This also applies to the technical consultancy service which is rendered free of charge and without obligation.

**Safety Data Sheet**
acc. to OSHA HCS

Printing date 04/07/2015

Version-No. 4

Reviewed on 04/07/2015

1: Identification· **1.1. Product identifier**· Trade name / Article No: **KLEIBERIT 782.0**· **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

· **Information department:**

EdgeCo Inc.

194 Candlewood Rd.

Bay Shore N.Y. 11706

USA

Phone 1-800-644-6449

FAX 1-631-434-2775

· **1.4. Emergency telephone number:**email: hse@kleiberit.com

1-800-424-9300 (CHEMTREC)

1-800-451-1403 (SARA-HOTLINE)

2: Hazard(s) 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· **Hazardous Material (US)**This material is not considered as hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)· **Classification system:**· **NFPA-ratings (scale 0 - 4) - USA:**

Health = 0

Fire = 1

Reactivity = 0

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

Health = 0

Fire = 1

Reactivity = 0

· **CARCINOGENICITY** NTP: No IARC: No OSHA: No· **2.3. Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

(Contd. on page 2)

USA

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(Contd. of page 1)

3: Composition/information on ingredients

- **3.2. Mixtures**
- **Description:** Mixture of synthetic plastics, based on ethylene vinyl acetate
- **Dangerous components:**
- | CAS NO. | Description | Void | % |
|---------|-------------|------|---|
| | | | |

4: First-aid measures

- **4.1. Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
After contact with the molten product, cool rapidly with cold water.
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:** Seek medical treatment.
- **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.

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.
- **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** Not required.
- **6.2. Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3. Methods and material for containment and cleaning up:**
Allow to solidify. Pick up mechanically.
Pick up mechanically.
- **6.4. Reference to other sections** No dangerous substances are released.

7: Handling and storage

- **Handling:**
- **7.1. Precautions for safe handling**
Any deposit of dust which cannot be avoided must be regularly removed.
Use appropriate industrial vacuum cleaners or central vacuum systems for dust removal.
Prevent formation of dust.
- **Information about protection against explosions and fires:**
>> **Protect against electrostatic charges.** <<
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:** No special measures required.
- **Information about storage in one common storage facility:** Observe the national regulations.

(Contd. on page 3)

USA

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- Further information about storage conditions: None.
- 7.3. Specific end use(s) No further relevant information available.

(Contd. of page 2)

8: Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- 8.1. Control parameters
- Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- 8.2. Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.
- Breathing equipment: Not required.
- Protection of hands: Heat resistant gloves
- Eye protection: Safety glasses

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
- Change in condition

Boiling point/Boiling range:	Undetermined.
Softening temperature / range:	ca. 105 °C (ca. 221 °F) (ring+ball)
- Flash Point: Not applicable.
- Auto Igniting: Product is not selfigniting.
- Danger of Explosion: Product does not present an explosion hazard.
- Density at 20 °C (68 °F): ca. 1.3 g/cm³ (ca. 10.849 lbs/gal)
- Solubility in / Miscibility with

Water:	Insoluble.
Organic solvents:	0.0 %
- 9.2. Other information No further relevant information available.

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: To avoid thermal decomposition do not overheat.
- 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 4)

USA

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Trade name / Article No: KLEIBERIT **782.0**

(Contd. of page 3)

11: Toxicological information

11.1. Information on toxicological effects

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· **Carcinogenic categories** · **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12: Ecological information

- **12.1. Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2. Persistence and degradability** No further relevant information available.
- **Other information:** The product is difficultly biodegradable.
- **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:**
On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **Uncleaned packagings:**
- **Recommendation:**
Empty contaminated packagings thoroughly. Disposal must be made according to official regulations.
Non contaminated packagings can be used for recycling.

14: Transport information

- **14.1. UN-Number** Void
- **14.2. UN proper shipping name** Void
- **DOT, IMDG**
- **Class** No dangerous good
- **IATA**
- **Class** Not classified as dangerous goods under IATA regulations
- **14.4. Packing group** Void

(Contd. on page 5)

USA

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(Contd. of page 4)

- **14.5. Environmental hazards:**
- **Marine pollutant:** No
- **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 2 - Hazards Identification
- **Sara - 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:** All components of this product are on TSCA.
- **Proposition 65 - USA**
- **Chemicals known to cause cancer:**
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.
- **Chemicals known to cause developmental toxicity (Prop 65):**
None of the ingredients is listed.
- **EPA (Environmental Protection Agency):**
None of the ingredients is listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health) - California/USA:**
None of the ingredients is listed.
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**
- **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.

- **USA: Relevant labels and warnings HAZCOM LABEL:** NOT REQUIRED
- **Department issuing SDS:** Safety & Environment
- **Contact:** Dr. Wolfgang Stüber
- **Abbreviations and acronyms:**
 ICAO: International Civil Aviation Organisation
 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
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
- *** Data compared to the previous version altered. -**

USA