

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.12.2013

Version number 1

Revision: 06.12.2013

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

- **1.1 Product identifier**
 - Trade name **EVA nature**
 - Article number: 499812
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

 - Application of the substance / the preparation Adhesives
- **1.3 Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**

Festool Group GmbH & Co. KG
Wertstrasse 20
73240 Wendlingen
Tel: +49 (0)7024/ 8 04-0
Fax: +49 (0) 7024/ 8 04-20608
www.festool.com
 - **Department providing the information:**

Umweltmanagement
Tel: +49/(0)7024/ 8 04-0
info@festool-group.com
- **1.4 Emergency telephone number:**

Tel: +49/(0)7024/ 8 04-0

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
 - **Classification according to Regulation (EC) No 1272/2008**

The product is not classified according to the CLP regulation.
 - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC void**
 - **Information concerning particular hazards for human and environment:**

According to the calculation of the "General Classification guideline for preparations of the EU" (Directive 1999/45/EC of the European Parliament and of the Council) in the latest valid version, the product is not subject to labelling requirements.
- **2.2 Label elements**
 - **Labelling according to EU guidelines:**

Observe the standard safety regulations when handling chemicals
The product is not subject to marking/classification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).
- **2.3 Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.12.2013

Version number 1

Revision: 06.12.2013

Trade name EVA nature

(Contd. from page 1)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description:

Hot melt adhesive
Vinyl resin

Dangerous components:

115-77-5	pentaerythritol	substance with a Community workplace exposure limit	1 - <2,5%
----------	-----------------	---	-----------

Additional information

If any R-phrases (risk-phrases) are listed, please refer for the exact wording to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information No special measures required.

After skin contact

The product does not irritate the skin.
After contact with the molten product, cool rapidly with cold water.
Do not pull solidified product away from the skin.
Seek medical treatment.

After eye contact Rinse opened eye for several minutes under running water.

After swallowing In case of persistent symptoms consult physician.

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, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

Can be released in case of fire

Carbon monoxide (CO)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

5.3 Advice for firefighters

Protective equipment: Do not inhale explosion gases or combustion gases.

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: No special measures required.

6.3 Methods and material for containment and cleaning up:

Collect mechanically.

Allow to solidify. Collect 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 information on disposal.

(Contd. on page 3)

—ZA—

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.12.2013

Version number 1

Revision: 06.12.2013

Trade name EVA nature

(Contd. from page 2)

No dangerous materials are released.

* SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Store in cool, dry place in tightly closed containers.

Ensure that suitable extractors are available on processing machines

- **Information about protection against explosions and fires:** No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage

- **Requirements to be met by storerooms and containers:** No special requirements.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** None.

- **Storage class** 11

· 7.3 Specific end use(s) No further relevant information available.

* SECTION 8: Exposure controls/personal protection

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

· 8.1 Control parameters

- **Components with critical values that require monitoring in the workplace:**

115-77-5 pentaerythritol

OEL ()	Short-term value: 20** mg/m ³ Long-term value: 10*5** mg/m ³ *inhalable *respirable particulate
--------	---

- **Additional information:** The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

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

· Personal protective equipment

· General protective and hygienic measures

Standard precautionary measures for handling chemicals are to be observed.

Avoid skin contact with the liquefied material.

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

- **Protection of hands:** Heat resistant gloves

· Material of gloves

Leather gloves

Strong gloves

- **Penetration time of glove material** No special requirements.

- **Eye protection:** Safety glasses recommended during refilling.

* SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:

Solid.

· Colour:

According to product specification

· Smell:

Characteristic

· Odour threshold:

Not determined.

(Contd. on page 4)

— ZA —

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.12.2013

Version number 1

Revision: 06.12.2013

Trade name EVA nature

(Contd. from page 3)

· pH-value:	Not applicable.
· Change in condition	
· Melting point/Melting range:	Not determined
· Boiling point/Boiling range:	> 300 °C
· Flash point:	> 200 °C
· Inflammability (solid, gaseous)	Not determined.
· Ignition temperature:	450 °C
· Decomposition temperature:	> 220 °C
· Spontaneous combustion:	Product does not undergo spontaneous combustion.
· Danger of explosion:	Product is not explosive.
· Critical values for explosion:	
· Lower:	Not determined.
· Upper:	Not determined.
· Vapour pressure at 20 °C:	1 hPa
· Density at 20 °C	1,3 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
· Water:	Unsoluble
· distribution ratio (n-octanol/water):	Not determined.
· Viscosity:	
· dynamic:	Not applicable.
· kinematic:	Not applicable.
· Solvent content:	
· Organic solvents:	0,0 %
· Solid content:	99,9 %
· 9.2 Other information	No further relevant information available.

* SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions**
Toxic fumes may be released if heated above the decomposition point
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:**
Hydrocarbons

(Contd. on page 5)

— ZA —

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.12.2013

Version number 1

Revision: 06.12.2013

Trade name EVA nature

Ethanoic acid

(Contd. from page 4)

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity:

- **LD/LC50 values that are relevant for classification:** void

· Primary irritant effect:

- **to the skin:** No irritant effect.

- **to the eye:** No irritant effect.

- **Sensitization:** No sensitizing effect known.

· Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations (Directive 1999/45/EC of the European Parliament and of the Council) as issued in the latest version:

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.

* SECTION 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:** Generally not hazardous for 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.

* SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

- **Recommendation** Smaller quantities can be disposed with household garbage.

· European waste catalogue

08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
----------	---

· Uncleaned containers/packaging material:

- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

* SECTION 14: Transport information

· 14.1 UN-Number

- **ADR, ADN, IMDG, IATA**

not applicable

· 14.2 UN proper shipping name

- **ADR, ADN, IMDG, IATA**

not applicable

(Contd. on page 6)

— ZA —

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.12.2013

Version number 1

Revision: 06.12.2013

Trade name EVA nature

(Contd. from page 5)

· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	not applicable
· 14.4 Packing group	
· ADR, IMDG, IATA	not applicable
· 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.
· UN "Model Regulation":	-

SECTION 15: Regulatory information

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. They shall, however, not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
All standard industrial precautions apply, concerning protection of health, and safe handling. The recommendations have to be examined in the context of the application for which the product is intended, and observed as necessary.

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

- *** Data modified in comparison to the previous version.**

— ZA —