

## Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 08/03/2011

Reviewed on 08/03/2011

### \* 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
  - **Trade name:** EVA nature
    - **Article number:** 499812
    - **Application of the substance / the preparation** Adhesives
- **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
- **Information provided by department:**  
Umweltmanagement  
Tel: +49/(0)7024/ 8 04-0  
info@festool-group.com
- **Emergency telephone number:**  
Tel: +49/(0)7024/ 8 04-0

### \* 2 Composition/information on ingredients

- **Chemical characterization: Mixtures**
  - **Description:**  
Hot melt adhesive  
(ethylene vinylacetate copolymer)

#### · **Dangerous components:**

471-34-1	calcium carbonate	> 25%
115-77-5	pentaerythritol	1 - 2%

#### · **Additional information**

In case any risk phrases are listed, please refer to paragraph 16 for the exact wording.

### 3 Hazards identification

- **Classification of the substance or mixture**
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** not applicable
  - **Information concerning particular hazards for human and environment:**  
Based on the calculation procedure 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, this product does not have to be labeled.
- **Label elements**
  - **Labelling according to EU guidelines:**  
Observe standard safety precautions for handling chemicals

(Contd. on page 2)

— USA —

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 08/03/2011

Reviewed on 08/03/2011

**Trade name: EVA nature**

(Contd. of page 1)

The product is not subject to marking/classification requirements under EU Directives and the Directive on Hazardous Materials (GefStoffV).

**· Classification system****· NFPA ratings (scale 0-4)**

Health = 0

Fire = 1

Reactivity = 0

**· HMIS ratings (scale 0-4)**

Health = 0

Flammability = 1

Reactivity = 0

**\* 4 First aid measures****· General information** No special measures required.**· After skin contact**

Generally the product does not irritate the skin.

After contact with the molten product, cool rapidly with cold water.

Do not peel solidified product from the skin.

Seek medical treatment.

**· After eye contact** Rinse opened eye for several minutes under running water.**· After swallowing** If symptoms persist consult physician.**5 Firefighting measures****· Suitable extinguishing agents**CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.**· Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

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

**· Protective equipment:** Do not inhale explosion gases or combustion gases.**\* 6 Accidental release measures****· Personal precautions, protective equipment and emergency procedures**

Particular danger of slipping on leaked/spilled product.

**· Environmental precautions:** No special measures required.**· Methods and material for containment and cleaning up:**

Pick up mechanically.

Allow to solidify. Pick up mechanically.

**· 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.

No dangerous substances are released.

— USA —

(Contd. on page 3)

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 08/03/2011

Reviewed on 08/03/2011

Trade name: **EVA nature**

(Contd. of page 2)

## \* 7 Handling and storage

- **Handling**
  - **Precautions for safe handling**  
Store in cool, dry place in tightly closed containers.  
Ensure that suitable extractors/ventilation systems are available on processing machines and in the workplace
  - **Information about protection against explosions and fires:** No special measures required.
- **Storage**
  - **Requirements to be met by storage facilities and containers:** No special requirements.
  - **Information concerning mixed product storage facilities:** Not required.
  - **Further information on storage conditions:** None.
  - **Storage class** 11
  - **Specific end use(s)** No further relevant information available.

## \* 8 Exposure controls/personal protection

- **Additional information technical layout:** No further data; see item 7.

### · **Components with limit values that require monitoring in the workplace:**

#### **471-34-1 calcium carbonate**

PEL ()	15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL ()	10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV ()	TLV withdrawn

#### **115-77-5 pentaerythritol**

PEL ()	15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL ()	10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV ()	10 mg/m <sup>3</sup>

- **Additional information:**  
The lists that were valid at the date of compilation of this MSDS were used as basis.
- **Personal protective equipment**
  - **General protection and hygiene precautions**  
The standard precautionary measures for handling chemicals should 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:** Goggles recommended during refilling.

## \* 9 Physical and chemical properties

### · **General Information**

- **Appearance:**
  - **Form:** Solid.
  - **Color:** According to product specification

(Contd. on page 4)

USA

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 08/03/2011

Reviewed on 08/03/2011

Trade name: **EVA nature**

(Contd. of page 3)

· Odor:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not applicable.
· Change in condition	
· Melting point/Melting range:	undetermined
· Boiling point/Boiling range:	> 300°C (> 572 °F)
· Flash point:	> 200°C (> 392 °F)
· Flammability (solid, gaseous)	Not determined.
· Ignition temperature:	450°C (842 °F)
· Decomposition temperature:	Not determined.
· Self-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 at 20°C (68 °F):	1 hPa (1 mm Hg)
· Density at 20°C (68 °F):	1.3 g/cm <sup>3</sup> (10.849 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
· Water:	Insoluble
· Segregation coefficient (n-octanol/water):	Not determined.
· Viscosity:	
· dynamic:	Not applicable.
· kinematic:	Not applicable.
· Solvent content:	
· Organic solvents:	0.0 %
· Solid content:	99.9 %
· Other information	No further relevant information available.

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.  
To avoid thermal decomposition do not overheat.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**  
Hydrocarbons  
Ethanoic acid

## 11 Toxicological information

- **Acute toxicity:**
  - LD/LC50 values that are relevant for classification: not applicable

(Contd. on page 5)

— USA —

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 08/03/2011

Reviewed on 08/03/2011

Trade name: **EVA nature**

(Contd. of page 4)

- **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 the calculation method of the General EU 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.

## \*12 Ecological information

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
- **Additional ecological information:**
  - **General remarks:** Generally not hazardous for water.

## 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned containers/packaging materials:**
  - **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

## \*14 Transport information

· <b>UN-Number</b>	
· DOT, ADR, ADN, IMDG, IATA	Void
· <b>UN proper shipping name</b>	
· DOT, ADR, ADN, IMDG, IATA	Void
· <b>Transport hazard class(es)</b>	
· DOT, ADR, ADN, IMDG, IATA	
· <b>Class</b>	Void
· <b>Packing group</b>	
· DOT, ADR, IMDG, IATA	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

— USA —

(Contd. on page 6)

# Material Safety Data Sheet

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Reviewed on 08/03/2011

Trade name: **EVA nature**

(Contd. of page 5)

## \*15 Regulatory information

### · SARA Section 355 (extremely hazardous substances)

None of the ingredients is listed.

### · SARA Section 313 (specific toxic chemical listings)

None of the ingredients is listed.

### · Proposition 65

#### · Prop 65 - 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 reproductive toxicity for males

None of the ingredients is listed.

#### · Chemicals known to cause developmental toxicity

None of the ingredients is listed.

### · Canadian ingredient disclosure list

#### · Limit 0,1 %

None of the ingredients is listed.

#### · Limit 1 %

None of the ingredients is listed.

### · Cancerogenity categories

#### · EPA (Environmental Protection Agency)

None of the ingredients is listed.

#### · IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

#### · NTP (National Toxicology Program)

None of the ingredients is listed.

#### · TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

#### · NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

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

None of the ingredients is listed.

### · Markings according to EU guidelines (Council Directive 67/548/EEC; Directive 1999/45/EC of the European Parliament and of the Council):

Observe standard safety precautions for handling chemicals

The product is not subject to marking/classification requirements under EU Directives and the Directive on Hazardous Materials (GefStoffV).

## 16 Other information

These data are based on our present state of information. 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.

### · Department issuing MSDS: Environment protection department.

(Contd. on page 7)

# Material Safety Data Sheet

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Trade name: **EVA nature**

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(Contd. of page 6)

· **Contact:** Ellen W gner / Jan-Peter Boelcke

· **\* Data in paragraphs with asterisk are revised in comparison to the previous version.**

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— USA —