

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 09.01.2008

Revision: 09.01.2008

* 1 Identification of substance

- **Product details**

- Trade name **JOWATHERM 296.50**

- **Article number:** 29650

- **Application of the substance / the preparation** Adhesives

- **Manufacturer/Supplier:**

Jowat AG

Ernst-Hilker-Strasse 10 - 14 D - 32758 Detmold

Tel.: +49 (0) 5231-749-0 Fax: +49 (0) 5231-749-104

email: info@jowat.de; website: www.jowat.de

- **Department providing the information:**

Environment Protection Department

Fon: +49 (0)5231-749-211 Fax: +49 (0)5231-749-236

e-mail: jan-peter.boelcke@jowat.de

- **Emergency information:**

Umweltreferat

Fon: +49 (0)5231-749-211 Fax: +49 (0)5231-749-236

e-mail: jan-peter.boelcke@jowat.de

* 2 Hazards identification

- **Hazard designation:** void

- **Specific information on particular dangers for man and the environment**

According to the calculation of the "General Classification guideline for preparations of the EU" in the latest valid version, the product is not subject to labelling requirements.

* 3 Composition/information on ingredients

- **Chemical characterization**

- **Description:**

Hot melt adhesive

(ethylene vinylacetate copolymer)

- **Dangerous components:**

| | | |
|--------------------------------------|---|---------|
| CAS: 471-34-1 EINECS: 207-439-9 | calcium carbonate | 25- 50% |
| CAS: 8002-74-2 EINECS: 232-315-6 | Paraffin waxes and Hydrocarbon waxes | 1- 5% |
| CAS: 26523-78-4 EINECS: 247-759-6 | tris(nonylphenyl) phosphite N; R 50/53 Warning: Environment 4.1.C/1 | 0.1-1% |

- **Additional information**

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

4 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.

(Contd. on page 2)

Safety Data Sheet

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Revision: 09.01.2008

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(Contd. of page 1)

- **After swallowing** In case of persistent symptoms consult physician.

5 Firefighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Special hazards caused by the material, its products of combustion or flue gases:**
Can be released in case of fire
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

- **Safety precautions/operators or staff:** Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**
Collect mechanically.
Allow to solidify. Collect mechanically.
- **Additional information:** No dangerous materials are released.

7 Handling and storage

- **Handling**
 - **Information 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.
- **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.

* 8 Exposure controls and personal protection

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

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

8002-74-2 Paraffin waxes and Hydrocarbon waxes

| | |
|-----|---|
| WEL | Short-term value: 6 mg/m ³ Long-term value: 2 mg/m ³ |
|-----|---|

- **Additional information:** The lists that were valid during the compilation were used as basis.
- **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 required.
 - **Protection of hands:** Heat resistant gloves
 - **Material of gloves**
Leather gloves
Strong gloves

(Contd. on page 3)

Safety Data Sheet

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Revision: 09.01.2008

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(Contd. of page 2)

- **Penetration time of glove material** No special requirements.
- **Eye protection:** Safety glasses recommended during refilling.

* 9 Physical and chemical properties:

| | |
|---|--|
| · General Information | |
| · Form: | Solid. |
| · Colour: | According to product specification |
| · Smell: | Characteristic |
| · Change in condition | |
| · Melting point/Melting range: | Not determined |
| · Boiling point/Boiling range: | Not determined |
| · Flash point: | > 200°C |
| · Ignition temperature: | 450°C |
| · Spontaneous combustion: | Product does not undergo spontaneous combustion. |
| · Danger of explosion: | Product is not explosive. |
| · Steam pressure at 20°C: | 0 hPa |
| · Density at 20°C | 1.38 g/cm ³ |
| · Solubility in / Miscibility with | |
| · Water: | Unsoluble |
| · Solvent content: | |
| · Organic solvents: | 0.0 % |
| · Solid content: | 100.0 % |

* 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
To avoid thermal decomposition do not overheat.
- **Dangerous reactions**
Toxic fumes may be released if heated above the decomposition point
No dangerous reactions known
- **Dangerous products of composition:**
Carbon monoxide
Hydrocarbons
Ethanoic acid

11 Toxicological information

- **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.

(Contd. on page 4)

Safety Data Sheet

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Revision: 09.01.2008

Trade name JOWATHERM 296.50

(Contd. of page 3)

- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations 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:

- **General notes:** Generally not hazardous for water.

* 13 Disposal considerations

- **Product:**

- **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.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**

- **ADR/RID-GGVS/E Class:** Not dangerous according to the above specifications.

- **Maritime transport IMDG/GGVSea:**

- **Marine pollutant:** No

- **Transport/Additional information:** Not dangerous according to the above specifications.

* 15 Regulatory information

- **Designation according to EC 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).

- **Special designation of certain preparations:**

Contains tris(nonylphenyl) phosphite. May produce an allergic reaction.

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.

- **Relevant R-phrases**

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Department issuing data specification sheet:** Environment protection department.

- **Contact:** Jan-Peter Boelcke

(Contd. on page 5)

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(Contd. of page 4)

· Abbreviations and acronyms:

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

RID: Reglement internationale concernent le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

· * Data modified in comparison to the previous version.

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