

Safety data sheet

according to UK REACH Regulation

Printing date 20.01.2023

Version number 33 (replaces version 32)

Revision: 20.01.2023

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

- **1.1 Product identifier**
 - Trade name **Jowatherm 284.00**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

 - **Application of the substance / the mixture**
 - Adhesives
 - Additive
- **1.3 Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
 - Jowat SE
 - Ernst-Hilker-Str. 10 - 14; D - 32758 Detmold
 - Fon +49 (0)5231 749 0
 - e-mail: info@jowat.de
 - www.jowat.de
 - **Department issuing data specification sheet:**
 - Environmental management
 - Tel. +49 5231 749 -218 / -211 / -5460 / -5374
 - e-mail: umweltmanagement@jowat.de
 - **Department providing the information:**
 - Jowat UK Ltd.
 - Lymedale Business Centre
 - Lymedale Business Park
 - Hooters Hall Road
 - Newcastle-under-Lyme
 - Staffordshire
 - ST5 9QF
 - Phone: +44 1782 565265
 - E-mail: nick.orton@jowat.co.uk
- **1.4 Emergency telephone number:** -

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 GB CLP regulation.
- **2.2 Label elements**
 - **Labelling according to Regulation (EC) No 1272/2008** not applicable
 - **Hazard pictograms** not applicable
 - **Signal word** not applicable
 - **Hazard statements** not applicable
- **2.3 Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
 - **Description:**
 - Hot melt adhesive
 - Ethylene vinyl acetate copolymer
 - Vinyl resin
 - **Dangerous components:** not applicable

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
 - **General information** No special measures required.

(Contd. on page 2)

Safety data sheet according to UK REACH Regulation

Printing date 20.01.2023

Version number 33 (replaces version 32)

Revision: 20.01.2023

Trade name Jowatherm 284.00

(Contd. from page 1)

- **After inhalation** Supply fresh air; consult physician in case of symptoms.
- **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.
 - **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **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.
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.
Use only in well ventilated areas.
 - **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.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
 - **Components with critical values that require monitoring in the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - **Additional information:** The lists that were valid during the compilation were used as basis.

(Contd. on page 3)

Safety data sheet

according to UK REACH Regulation

Printing date 20.01.2023

Version number 33 (replaces version 32)

Revision: 20.01.2023

Trade name Jowatherm 284.00

(Contd. from page 2)

- **8.2 Exposure controls**
 - **Appropriate engineering controls** No further data; see item 7.
 - **Additional information about design of technical systems:** No further data; see item 7.
 - **Individual protection measures, such as personal protective equipment**
 - **General protective and hygienic measures**
 - Standard precautionary measures for handling chemicals are to be observed.
 - Wash hands during breaks and at the end of work.
 - Vacuum clean contaminated clothing. Do not blow or brush off contamination.
 - Avoid skin contact with the liquefied material.
 - **Breathing equipment:** Not necessary if room is well-ventilated.
 - **Hand protection** Heat resistant gloves
 - **Material of gloves**
 - Leather gloves
 - Strong gloves
 - **Penetration time of glove material** No special requirements.
 - **Eye/face protection** Not required.

* SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
 - **General Information**
 - **Physical state** Solid.
 - **Colour:** Beige
 - **Smell:** Characteristic
 - **Odour threshold:** Not determined.
 - **Melting point/freezing point:** Not determined
 - **Boiling point or initial boiling point and boiling range** Not determined
 - **Flammability** Product is not inflammable.
 - **Lower and upper explosion limit**
 - **Lower:** Not determined.
 - **Upper:** Not determined.
 - **Flash point:** >200 °C
 - **Ignition temperature:** 298 °C
 - **Decomposition temperature:** > 250 °C
 - **pH** Not applicable.
 - **Viscosity:**
 - **Kinematic viscosity** Not applicable.
 - **dynamic:** Not applicable.
 - **Solubility**
 - **Water:** Insoluble
 - **Partition coefficient n-octanol/water (log value)** Not determined.
 - **Vapour pressure:** Not applicable.
< 0,01 hPa
 - **Density and/or relative density**
 - **Density at 20 °C** 1.45 g/cm³
 - **Relative density** Not determined.
 - **Vapour density** Not applicable.
 - **9.2 Other information**
 - **VOC - Volatile Organic Compounds**
 - **Switzerland** 0.00 %
 - **Appearance:**
 - **Form:** Solid.
 - **Important information on protection of health and environment, and on safety.**
 - **Spontaneous combustion:** Product does not undergo spontaneous combustion.

(Contd. on page 4)

Safety data sheet according to UK REACH Regulation

Printing date 20.01.2023

Version number 33 (replaces version 32)

Revision: 20.01.2023

Trade name Jowatherm 284.00

(Contd. from page 3)

· Explosive properties:	Product is not explosive.
· Solvent content:	
· Solid content:	100.0 %
· Change in condition	
· Evaporation rate	Not applicable.
· Information with regard to physical hazard classes	
· Explosives	not applicable
· Flammable gases	not applicable
· Aerosols	not applicable
· Oxidising gases	not applicable
· Gases under pressure	not applicable
· Flammable liquids	not applicable
· Flammable solids	not applicable
· Self-reactive substances and mixtures	not applicable
· Pyrophoric liquids	not applicable
· Pyrophoric solids	not applicable
· Self-heating substances and mixtures	not applicable
· Substances and mixtures, which emit flammable gases in contact with water	not applicable
· Oxidising liquids	not applicable
· Oxidising solids	not applicable
· Organic peroxides	not applicable
· Corrosive to metals	not applicable
· Desensitised explosives	not applicable

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **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:**
Carbon monoxide
Inflammable gases/vapours
Carbon monoxide and carbon dioxide
Danger of toxic pyrolysis products
Ethanoic acid

* SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
 - **Acute toxicity** Based on available data, the classification criteria are not met.
 - **LD/LC50 values that are relevant for classification:** void
 - **to the skin:** Based on available data, the classification criteria are not met.
 - **to the eye:** Based on available data, the classification criteria are not met.
 - **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
 - **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** Based on available data, the classification criteria are not met.
 - **STOT-single exposure** Based on available data, the classification criteria are not met.
 - **STOT-repeated exposure** Based on available data, the classification criteria are not met.

(Contd. on page 5)

Safety data sheet according to UK REACH Regulation

Printing date 20.01.2023

Version number 33 (replaces version 32)

Revision: 20.01.2023

Trade name Jowatherm 284.00

(Contd. from page 4)

- **Aspiration hazard** Based on available data, the classification criteria are not met.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

* 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.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects**

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow the product to reach ground water, open water or the sewer system, undiluted or in large quantities.

* SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Smaller quantities can be disposed with household garbage.

Can be reused without processing.

- **Uncleaned containers/packaging material:**

- **Recommendation:**

Non contaminated packagings can be reused.

Non contaminated packagings can be used for recycling.

Packaging with cured adhesive residues can be recycled.

Packaging with cured adhesive residues can be treated as household waste.

SECTION 14: Transport information

- **14.1 UN number or ID number**

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

not applicable

- **14.2 UN proper shipping name**

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

not applicable

- **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 Maritime transport in bulk according to IMO instruments**

Not applicable.

(Contd. on page 6)

Safety data sheet according to UK REACH Regulation

Printing date 20.01.2023

Version number 33 (replaces version 32)

Revision: 20.01.2023

Trade name Jowatherm 284.00

(Contd. from page 5)

· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	not applicable

* SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **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.

Disclaimer:

For this product it is not legally required to provide a safety data sheet as the product is not classified as hazardous.

This document is prepared as a voluntary and additional service to provide general safety information.

· **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 Organisation

ADR: Accord relatif au transport international 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 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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