

Safety Data Sheet

according to HPR, Schedule 1

Printing date 12/12/2024

Version number 1

Revision: 10/09/2024

1 Identification

- **Product identifier**
 - Trade name **Jowatherm® 280.90**
 - **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
 - **Application of the substance / the mixture** Adhesives
- **Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
Jowat Corporation
6058 Lois Lane
Archdale, NC 27263
Phone: 336-434-9000
Fax: 336-434-9019
info@jowat.com
 - **Department issuing data specification sheet:**
Environmental management
Tel. +49 5231 749 -5374 / -218 / -5460 / -5592
e-mail: umweltmanagement@jowat.de
 - **Information provided by department:**
Jowat Canada Ltd.
P.O. Box 149
Mississauga, ON L5M 2B7
Tel.: +1 336 434-9154
E-Mail: canada@jowat.com
 - **Emergency telephone number:** -

2 Hazard identification

- **Classification of the substance or mixture**
The product does not meet the criteria for classification according to the Globally Harmonized System (GHS).
The creation of a safety data sheet is therefore not mandatory. This document is prepared as a voluntary and additional service to provide general safety information.
- **Label elements**
 - **GHS label elements** not applicable
 - **Hazard pictograms** not applicable
 - **Signal word** not applicable
 - **Hazard statements** not applicable
- **Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

3 Composition/Information on ingredients

- **Chemical characterisation: Mixtures**
 - **Description:**
Hot melt adhesive
Ethylene vinyl acetate copolymer
Vinyl resin
 - **Dangerous components:** not applicable
 - **SVHC** Not applicable.

4 First aid measures

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

(Contd. on page 2)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 12/12/2024

Version number 1

Revision: 10/09/2024

Trade name Jowatherm® 280.90

(Contd. from page 1)

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.
- **Information for physician**
 - **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
 - **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **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.
- **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.
- **Advice for firefighters**
 - **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:**
Collect mechanically.
Allow to solidify. Collect 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 information on disposal.

7 Handling and storage

- **Handling**
 - **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.
- **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.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/ Personal protection

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

(Contd. on page 3)

Safety Data Sheet according to HPR, Schedule 1

Printing date 12/12/2024

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Revision: 10/09/2024

Trade name Jowatherm® 280.90

(Contd. from page 2)

- **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.
 - **Protection of hands:** Heat resistant gloves
 - **Material of gloves**
Leather gloves
Strong gloves
 - **Penetration time of glove material** No special requirements.
 - **Eye protection:** Not required.

9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
· Form:	Solid.
· Colour:	According to product specification
· Smell:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not applicable.
· Change in condition	
· Melting point/freezing point:	Not determined
· Initial boiling point and boiling range:	351 °C
· Flash point:	201 °C
· Inflammability (solid, gaseous)	Product is not inflammable.
· Auto-ignition temperature:	298 °C
· Decomposition temperature:	> 250 °C
· Spontaneous combustion:	Product does not undergo spontaneous combustion.
· Explosive properties:	Product is not explosive.
· Critical values for explosion:	
· Lower:	Not determined.
· Upper:	Not determined.
· Vapour pressure:	Not applicable. < 0,01 hPa
· Density	
· 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:	
· Solid content:	100.0 %

(Contd. on page 4)

Safety Data Sheet according to HPR, Schedule 1

Printing date 12/12/2024

Version number 1

Revision: 10/09/2024

Trade name Jowatherm® 280.90

(Contd. from page 3)

· Other information	
· VOC - Volatile Organic Compounds	
· European Union	0.00 %
· Switzerland	0.00 %
· U.S.A (less water and less exempts)	0.0 g/l / 0.00 lb/gal

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
To avoid thermal decomposition do not overheat.
- **Possibility of hazardous reactions**
Toxic fumes may be released if heated above the decomposition point
No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
Inflammable gases/vapours
Carbon monoxide and carbon dioxide
Danger of toxic pyrolysis products
Ethanoic acid

*11 Toxicological information

- **Information on toxicological effects**
 - **Acute toxicity**
 - **Primary irritant effect:**
 - **to the skin:** No irritant effect.
 - **to the eye:** No irritant effect.
 - **Respiratory or skin sensitisation** 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.

12 Ecological information

- **Toxicity**
 - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
 - **Bioaccumulative potential** No further relevant information available.
 - **Mobility in soil** No further relevant information available.
- **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.
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

(Contd. on page 5)

Safety Data Sheet according to HPR, Schedule 1

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Version number 1

Revision: 10/09/2024

Trade name Jowatherm® 280.90

(Contd. from page 4)

13 Disposal considerations

- **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.

14 Transport information

· UN-Number	
· ADR, ADN, IMDG, IATA	not applicable
· UN proper shipping name	
· ADR	not applicable
	not applicable
· ADN, IMDG, IATA	not applicable
· Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	not applicable
· Packing group	
· ADR, IMDG, IATA	not applicable
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	not applicable

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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:**

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

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

(Contd. on page 6)

Safety Data Sheet
according to HPR, Schedule 1

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Revision: 10/09/2024

Trade name Jowatherm® 280.90

(Contd. from page 5)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

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