

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 02/20/2017

Version number 1

Reviewed on 02/20/2017

### 1 Identification

- **Product identifier**
  - **Trade name:** JOWATHERM 296.30
  - **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 MSDS:**  
Environmental management  
Ellen Lange / Tina Friedrich / Jan-Peter Boelcke  
Fon +49 5231 749 218 / 270 / 211  
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  
Fax: +1 336 434-9184  
E-Mail: canada@jowat.com
  - **Emergency telephone number:** 1 800 424 9300 (Chemtrec 24 hours service)

### 2 Hazard identification

- **Classification of the substance or mixture**  
The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
  - **GHS label elements** Void
    - **Hazard pictograms** Void
    - **Signal word** Void
    - **Hazard statements** Void
- **Other hazards**
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.

### 3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**
  - **Description:**  
Hot melt adhesive  
Vinyl resin
  - **Dangerous components:** Void

### 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 problems.
  - **After skin contact**  
Immediately wash with water and soap and rinse thoroughly.  
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.

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Seek medical treatment.

- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** If symptoms persist 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**  
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.
- **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:**  
Do not allow product to reach sewer system or open water.  
Prevent from spreading (e.g. by damming-in or oil barriers).
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, general-purpose binders, sawdust).  
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.

### 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. In the context of the risk assessment, it is necessary to evaluate whether and to what extent protective measures are required. If necessary, a workplace measurement has to be carried out.
  - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **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** 10
  - **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Control parameters**
  - **Components with limit 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.

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- **Additional information:**

The lists that were valid at the date of compilation of this MSDS were used as basis.

- **Exposure controls**

- **Personal protective equipment**

- **General protection and hygiene precautions**

The standard precautionary measures for handling chemicals should be observed.

Wash hands before breaks and at the end of work.

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.

- **The following materials are unsuitable for gloves:**

Leather gloves

Strong gloves

- **Eye protection:** Goggles recommended during refilling an spraying.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- **Form:**

Fluid

- **Color:**

According to product specification

- **Odor:**

Characteristic

- **Odor threshold:**

Not determined.

- **pH-value:**

Not determined.

- **Change in condition**

- **Melting point/Melting range:**

undetermined

- **Boiling point/Boiling range:**

undetermined

- **Flash point:**

239 °C

- **Flammability (solid, gaseous)**

Not applicable.

- **Ignition temperature:**

>450 °C

- **Decomposition temperature:**

> 220 °C

- **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:**

Not determined.

- **Density:**

Not determined

- **Relative density**

Not determined.

- **Vapor density**

Not determined.

- **Evaporation rate**

Not determined.

- **Solubility in / Miscibility with**

- **Water:**

Not miscible or difficult to mix

- **Partition coefficient (n-octanol/water):** Not determined.

- **Viscosity:**

- **dynamic:**

Not determined.

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· <b>kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	0,0 %
· <b>Solid content:</b>	99,8 %
· <b>Other information</b>	No further relevant information available.
· <b>VOC - Volatile Organic Compounds</b>	
· <b>European Union</b>	0,00 %
· <b>Switzerland</b>	0,00 %
· <b>U.S.A (less water and less exempts)</b>	0,0 g/l / 0,00 lb/gl

### 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:**  
Flammable gases/vapors  
Carbon monoxide and carbon dioxide  
Danger of toxic pyrolysis products  
Ethanoic acid

### 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:**
    - **LD/LC50 values that are relevant for classification:** not applicable
    - **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.

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

None of the ingredients is listed.

### 12 Ecological information

- **Toxicity**
  - **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.
  - **Mobility in soil** No further relevant information available.

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· <b>Canadian Non Domestic Substances List (NDSL) (Substances not listed)</b>	
None of the ingredients is listed.	
· <b>Canadian ingredient disclosure list</b>	
· <b>Limit 0,1 %</b>	
None of the ingredients is listed.	
· <b>Limit 1 %</b>	
None of the ingredients is listed.	
· <b>Cancerogenity categories</b>	
· <b>EPA (Environmental Protection Agency)</b>	
barium sulphate, natural	D, CBD(inh), NL(oral)
· <b>TLV (Threshold Limit Value established by ACGIH)</b>	
None of the ingredients is listed.	
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>	
None of the ingredients is listed.	
· <b>Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.	
<b>*16 Other information</b>	

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.

· **Date of preparation / last revision** 02/20/2017 / -

· **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)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

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