

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 10/09/2024

Version number 7

Reviewed on 09/25/2024

### 1 Identification

- **Product identifier**
  - **Trade name: Jowat 195.10**
  - **Application of the substance / the mixture**  
Hardener/Curing agent  
Crosslinker
- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
Jowat SE  
Ernst-Hilker-Str. 10 - 14; D - 32758 Detmold  
Tel. +49 (0)5231 749 0  
e-mail: info@jowat.de  
www.jowat.de
  - **Department issuing SDS:**  
Environmental management  
Tel. +49 5231 749 -5374 / -218 / -5460 / -5592  
e-mail: umweltmanagement@jowat.de
  - **Information provided by department:**  
Jowat Corporation  
5608 Uwharrie Rd.  
Archdale, NC 27263  
P.O.Box 1368  
High Point, NC 27261  
Tel.: +1 336 434-9000  
E-Mail: info@jowat.com
  - **Emergency telephone number:** 1 800 424 9300 (Chemtrec 24 hours service)

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

Sensitization - Skin 1

H317 May cause an allergic skin reaction.

Specific Target Organ Toxicity - Single Exposure 3 H335 May cause respiratory irritation.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**

aliphatic polyisocyanate

- **Hazard statements**

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

- **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P280 Wear protective gloves.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a doctor if you feel unwell.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 10/09/2024

Version number 7

Reviewed on 09/25/2024

Trade name: Jowat 195.10

(Contd. of page 1)

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



- **HMIS ratings (scale 0-4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** cross linking agent

#### · **Dangerous components:**

160994-68-3	aliphatic polyisocyanate	>50%
-------------	--------------------------	------

#### · **Additional information**

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

### 4 First-aid measures

- **Description of first aid measures**
- **General information** Immediately remove any clothing soiled by the product.
- **After inhalation**  
Supply fresh air and call in physician to be on the safe side.  
In case of unconsciousness place patient in stable side position for transportation.  
Supply fresh air; consult physician in case of problems.
- **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 Fire-fighting 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.
- **For safety reasons unsuitable extinguishing agents** Water in a full jet.
- **Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)
- **Advice for firefighters**
  - **Protective equipment:** Do not inhale explosion gases or combustion gases.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **Environmental precautions:** No special measures required.

(Contd. on page 3)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 10/09/2024

Version number 7

Reviewed on 09/25/2024

Trade name: Jowat 195.10

(Contd. of page 2)

- **Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to section 13.  
Pick up mechanically.  
Ensure adequate ventilation.
- **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.  
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 storage facilities and containers:** No special requirements.
    - **Information concerning mixed product storage facilities:** Not required.
    - **Further information on storage conditions:** None.
  - **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:**
    - **Additional information:**  
The lists that were valid at the date of compilation of this SDS were used as basis.
- **Exposure controls**
  - **Personal protective equipment**
    - **General protection and hygiene precautions**  
The standard precautionary measures for handling chemicals should be observed.  
Keep away from food, beverages and animal feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Vacuum clean contaminated clothing. Do not blow or brush off contamination.  
Do not inhale gases / fumes / aerosols.  
Avoid long-term or intensive skin contact.  
Do not eat or drink while working.
    - **Breathing equipment:**  
Use suitable respiratory protective device in case of insufficient ventilation.  
Filter A/B/P2.
    - **Protection of hands:** Impervious gloves
      - **Material of gloves** Butyl rubber, BR
      - **Penetration time of glove material**  
Please contact the glove manufacturer for the exact time of penetration/resistance level and observe this limit.
      - **In case of permanent contact in work areas where the risk of injury is low (e.g. labs) gloves made of the following material are suitable:**  
Butyl rubber, BR
      - **In case of permanent contact, gloves made of the following materials are suitable:**  
Butyl rubber, BR
      - **In case of skin contact of maximum of 15 minutes gloves made of the following materials are suitable:**  
Nitrile rubber, NBR
      - **As protection from splashes gloves made of the following materials are suitable:**  
Chloroprene rubber, CR

(Contd. on page 4)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 10/09/2024

Version number 7

Reviewed on 09/25/2024

Trade name: Jowat 195.10

(Contd. of page 3)

- The following materials are unsuitable for gloves: Natural rubber, NR
- Eye protection: Not required.

### 9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
· Form:	Fluid
· Color:	Light yellow
· Odor:	Recognizable
· pH-value at 20 °C (68 °F):	7
· Change in condition	
· Melting point/Melting range:	-15 °C (5 °F)
· Boiling point/Boiling range:	>300 °C (>572 °F)
· Flash point:	226 °C (438.8 °F)
· Flammability (solid, gaseous)	Product is not flammable.
· Auto igniting:	465 °C (869 °F)
· Decomposition temperature:	Not determined.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Vapor pressure at 20 °C (68 °F):	0.00001 hPa (0 mm Hg)
· Density at 20 °C (68 °F):	1.16 g/cm <sup>3</sup> (9.68 lbs/gal)
· Solubility in / Miscibility with	
· Water:	Insoluble
· Viscosity:	
· dynamic at 20 °C (68 °F):	2,800 mPas
· Solvent content:	
· Solid content:	100.0 %
· 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.
- **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

(Contd. on page 5)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 10/09/2024

Version number 7

Reviewed on 09/25/2024

Trade name: Jowat 195.10

(Contd. of page 4)

### \* 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:** Sensitization possible through skin contact.

##### · Additional toxicological information:

The product shows the following dangers 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:

Irritant

##### · Carcinogenic categories

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

None of the ingredients is listed.

##### · NTP (National Toxicology Program)

None of the ingredients is listed.

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

None of the ingredients is listed.

· **Specific target organ toxicity - single exposure** May cause respiratory irritation.

### 12 Ecological information

#### · Toxicity

##### · Aquatic toxicity:

##### 160994-68-3 aliphatic polyisocyanate

LC50 / 96 h 28.3 mg/l (zebrafish)

EC50 / 48 h 500 mg/l (water flea)

EC50 / 72 h 500 mg/l (scenedesmus subspicatus)

· **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.

##### · Additional ecological information:

##### · General remarks:

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

Prevent undiluted product or product in large amounts to reach ground water, open waters or sewer systems.

##### · Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

#### · Waste treatment methods

· **Recommendation** Hand over to hazardous waste disposers.

#### · Uncleaned containers/packaging materials:

##### · Recommendation:

Packaging with cured adhesive residues can be recycled.

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

(Contd. on page 6)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 10/09/2024

Version number 7

Reviewed on 09/25/2024

Trade name: Jowat 195.10

(Contd. of page 5)

Packaging with uncured adhesive residues must be disposed of as hazardous waste.

### 14 Transport information

· <b>UN-Number</b>	
· DOT, ADR, IMDG, IATA	Void
· <b>UN proper shipping name</b>	
· DOT, ADR, IMDG, IATA	Void
· <b>Transport hazard class(es)</b>	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· <b>Packing group</b>	
· DOT, ADR, IMDG, IATA	Void
· <b>Environmental hazards:</b>	Not applicable.
· <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.
· <b>UN "Model Regulation":</b>	Void

### 15 Regulatory information

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

- **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.

- **TSCA (Toxic Substances Control Act): (Substances not listed)**

All ingredients are 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.

- **Carcinogenity categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value)**

None of the ingredients is listed.

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

None of the ingredients is listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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.

(Contd. on page 7)

## Safety Data Sheet acc. to OSHA HCS

Printing date 10/09/2024

Version number 7

Reviewed on 09/25/2024

**Trade name: Jowat 195.10**

(Contd. of page 6)

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** 10/09/2024 / 6

· **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

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

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

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Sensitization - Skin 1: Skin sensitisation – Category 1

Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

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