

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/24/2017

Version number 1

Reviewed on 05/24/2017

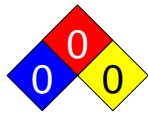
* 1 Identification

- **Product identifier**
 - **Trade name: JOWACOLL 148.50**
 - **Application of the substance / the mixture**
 - Dispersion glue
 - Additive
- **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 SDS:**
 - 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 Corporation
 - 5608 Uwharrie Rd.
 - Archdale, NC 27263
 - P.O.Box 1368
 - High Point, NC 27261
 - Tel.: +1 336 434-9000
 - Fax: +1 336 434-9019
 - 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**

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



Health = 0

Fire = 0

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

HEALTH	0	Health = 0
FIRE	0	Flammability = 0
REACTIVITY	0	Reactivity = 0
- **Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

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3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:**

- aqueous polymer emulsion

- Vinyl resin

- **Dangerous components:** Void

4 First-aid measures

- **Description of first aid measures**

- **General information** No special measures required.

- **After skin contact**

- Immediately wash with water and soap and rinse thoroughly.

- Generally the product does not irritate the skin.

- **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** Use fire fighting measures that suit the environment.

- **Special hazards arising from the substance or mixture**

- 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** Not required.

- **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).

- **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.

- **Protective Action Criteria for Chemicals**

- **PAC-1:**

24937-78-8	Elvax resin 250	30 mg/m3
75-07-0	acetaldehyde	45 ppm
67-56-1	methanol	530 ppm
50-00-0	formaldehyde	0.90 ppm
108-10-1	4-methylpentan-2-one	75 ppm
123-91-1	1,4-dioxane	17 ppm

- **PAC-2:**

24937-78-8	Elvax resin 250	330 mg/m3
75-07-0	acetaldehyde	270 ppm
67-56-1	methanol	2,100 ppm

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50-00-0	formaldehyde	14 ppm
108-10-1	4-methylpentan-2-one	500 ppm
123-91-1	1,4-dioxane	320 ppm
· PAC-3:		
24937-78-8	Elvax resin 250	2,000 mg/m3
75-07-0	acetaldehyde	840 ppm
67-56-1	methanol	7200* ppm
50-00-0	formaldehyde	56 ppm
108-10-1	4-methylpentan-2-one	3000* ppm
123-91-1	1,4-dioxane	760 ppm

7 Handling and storage

- **Handling**
 - **Precautions for safe handling**
Store in cool, dry place in tightly closed containers.
Prevent formation of aerosols.
 - **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:**
Protect from frost.
Keep container tightly sealed.
 - **Storage class 12**
 - **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.
 - **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.
Wash hands before breaks and at the end of work.
 - **Breathing equipment:**
Has to be worn only if no adequate extraction system is operating when sprayed.
Filter A/P2
Not necessary if room is well-ventilated.
 - **Protection of hands:** Not required.
 - **Material of gloves** Plastic gloves
 - **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:**
Plastic gloves
 - **In case of permanent contact, gloves made of the following materials are suitable:**
Plastic gloves

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- **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:	White
· Odor:	Characteristic
· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
· Melting point/Melting range:	undetermined
· Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	Not applicable
· Flammability (solid, gaseous)	Not applicable.
· Ignition temperature:	
· Decomposition temperature:	Not determined.
· 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 at 20 °C (68 °F):	23 hPa (17 mm Hg)
· Density at 20 °C (68 °F):	1.05 g/cm ³ (8.762 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· Water:	Fully miscible
· Partition coefficient (n-octanol/water): Not determined.	
· Viscosity:	
· dynamic at 20 °C (68 °F):	1950 mPas
· kinematic:	Not determined.
· Solvent content:	
· Organic solvents:	0.0 %
· Solid content:	50.0 %
· Other information No further relevant information available.	
· VOC - Volatile Organic Compounds	
· European Union	0.00 %
· Switzerland	0.00 %
· U.S.A (less water and less exempts)	0.1 g/l / 0.00 lb/gl

10 Stability and reactivity

- **Reactivity** No further relevant information available.

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- **Chemical stability**
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition 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.
 - **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.

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.
- **Additional ecological information:**
 - **General remarks:** Generally not hazardous for water.
- **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**
Must not be disposed of together with household garbage. Do not allow product to reach sewer system.
- **Uncleaned containers/packaging materials:**
 - **Recommendation:**
Dispose of packaging according to regulations on the disposal of packagings.
Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

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- **Recommended cleaning agent:** Water, if necessary with cleaning agents.

14 Transport information

· UN-Number · DOT, ADR, ADN, IMDG, IATA	Void
· UN proper shipping name · DOT, ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es) · DOT, ADR, ADN, IMDG, IATA · Class	Void
· Packing group · DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

*15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **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.

- **Carcinogen categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

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.

All standard industrial precautions apply, concerning protection of health, and safe handling. The

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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** 05/24/2017 / -

· **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)

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

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