Safety data sheet

according to 1907/2006/EC, Article 31; (EU) 2020/878

Printing date 05.10.2024

Version number 11 (replaces version 10)

Revision: 27.09.2024

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

· 1.1 Product identifier

- Trade name <u>Jowatherm® 282.21</u>
- · 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
- · 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:
 - Department Issuing data specification sneet: Environmental management
 Tel. +49 5231 749 -5374 / -218 / -5460 / -5592
 e-mail: umweltmanagement@jowat.de
 - **Department providing the information:** Environmental management Fon: +49 5231 749 -5374 / -218 / -5460 / -5592 e-mail: umweltmanagement@jowat.de
- 1.4 Emergency telephone number:

InfraServ Hoechst - Gefahrenabwehrmeldezentrale D - 65926 Frankfurt Fon: +49 (0)69-305-6418

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product does not meet the criteria for classification according to Regulation (EC) 1272/2008. 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.

· 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

· Additional information:

Safety data sheet available on request.

Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

· 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
- · SVHC Not applicable.
- Additional information

If any R-phrases (risk-phrases) are listed, please refer for the exact wording to section 16.

Printing date 05.10.2024

Version number 11 (replaces version 10)

Revision: 27.09.2024

Trade name Jowatherm® 282.21

(Contd. from page 1)

SECTION 4: First aid measures

4.1 Description of first aid measures

• After inhalation Supply fresh air; consult physician in case of symptoms.

· After skin contact

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 Wear protective clothing.

- 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.

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:

• Additional information: The lists that were valid during the compilation were used as basis.

• Additional information about design of technical systems: No further data; see section 7.

Safety data sheet

according to 1907/2006/EC, Article 31; (EU) 2020/878

Printing date 05.10.2024 Version number 11 (replaces version 10) Revision: 27.09.2024 Trade name Jowatherm® 282.21 (Contd. from page 2) Individual protection measures, such as personal protective equipment General protective and hygienic measures Standard precautionary measures for handling chemicals are to be observed. Keep away from food, beverages and animal feed. Instantly remove any soiled and impregnated garments. 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. Do not eat or drink while working. · 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: According to product specification · Smell: Characteristic Odour threshold: Not determined. • Melting point/freezing point: 80 °C Boiling point or initial boiling point and boiling 301 °C range · Flammability Product is not inflammable. Lower and upper explosion limit · Lower: Not determined. · Upper: Not determined. · Flash point: 186 °C Auto-ignition temperature: 298 °C · Decomposition temperature: > 250 °C ·рН Not applicable. · Viscosity: Kinematic viscosity Not applicable. · dynamic: Not applicable. · Solubility · Water: Unsoluble · 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 1.3 g/cm³ · Relative density Not determined. · Vapour density Not applicable. Particle characteristics See section 3. 9.2 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 Appearance: · Form: Solid.

Printing date 05.10.2024

Version number 11 (replaces version 10)

Revision: 27.09.2024

Trade name Jowatherm® 282.21

	(Contd. from page	
· Important information on protection of health		
and environment, and on safety.		
Spontaneous combustion:	Product does not undergo spontaneous	
	combustion.	
 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:

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

 \cdot Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification: void

- \cdot 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.

List II

Safety data sheet according to 1907/2006/EC, Article 31; (EU) 2020/878

Printing date 05.10.2024

Version number 11 (replaces version 10)

Revision: 27.09.2024

Trade name Jowatherm® 282.21

(Contd. from page 4)

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

11.2 Information on other hazards

Endocrine disrupting properties

96-69-5 6,6'-di-tert-butyl-4,4'-thiodi-m-cresol

SECTION 12: Ecological information

· 12.1 Toxicity

Aquatic toxicity: No further relevant information available.

- · 12.2 Persistence and degradability No further relevant information available.
- \cdot 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 For information on endocrine disrupting properties see section 11.
- 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 quantites.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

Recommendation

Smaller quantities can be disposed with household garbage.

Can be reused without processing.

· European waste catalogue

08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

- 15 01 01 paper and cardboard packaging
- 15 01 02 plastic packaging

· Uncleaned containers/packaging material:

· Recommendation:

Dispose of packaging according to regulations on the disposal of packagings. 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

Printing date 05.10.2024

Version number 11 (replaces version 10)

Revision: 27.09.2024

Trade name Jowatherm® 282.21

		(Contd. from page 5)
 14.4 Packing group ADR, IMDG, IATA 	not applicable	
· 14.5 Environmental hazards:	Not applicable.	
· 14.6 Special precautions for user	Not applicable.	
· 14.7 Maritime transport in bulk accord		
instruments	Not applicable.	
· UN "Model Regulation":	not applicable	

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· Directive 2012/18/EU

• Named dangerous substances - ANNEX I None of the ingredients is listed.

• REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients is listed.

• REGULATION (EC) No 1907/2006 ANNEX XVII None of the ingredients is listed.

• Regulation (EU) No 649/2012 (PIC)

None of the ingredients is listed.

• DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

• Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

• 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.

Date of previous version: 04.07.2024

• Version number of previous version: 10

· 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

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

Printing date 05.10.2024

Version number 11 (replaces version 10)

Revision: 27.09.2024

(Contd. from page 6)

Trade name Jowatherm® 282.21

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

SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative

• * Data modified in comparison to the previous version.