

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



978501 Epoxy Resin, UV-Stable, Resin

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Revised edition: 09.02.2022

Version: 5

Printed: 28.03.2022

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Epoxy Resin, UV-Stable, Resin

Article No.: 978501

UFI: --

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
Coatings

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.com

E-Mail: info@kremer-pigmente.com

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Skin irritation, hazard category 2
Skin sensitization, hazard category 1
Eye irritation, hazard category 2
Chronic aquatic toxicity, hazard category 2

H315	Causes skin irritation.
Cat.: 2	
H317	May cause an allergic skin reaction.
Cat.: 1	
H319	Causes serious eye irritation.
Cat.: 2	
H411	Toxic to aquatic life with long lasting effects.
Cat.: 2	

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Hazard designation:

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GHS07



GHS09-1

Signal word:

Warning

Hazard designation:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Safety designation:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical attention.
P501	Dispose of contents/ container according to regional, national and international regulations.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

This produkt is a mixture.

Chemical Characterization:

Information on Components / Hazardous Ingredients:

Reaction product: Bisphenol-A (epichlorhydrin) epoxy resin (average mol.-weight <700 (Xi, N; R36/38-43- 51/53; H315-319-317-411); REACH Nr. 01-2119456619-26	50 - 100 %	CAS-Nr: 25068-38-6 EINECS-Nr: 500-033-5 EC-Nr: 603-074-00-8
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Oxiram, Mono [(C12-14-alklyoxy)methyl]] derivate (H315-317)	10 - 25 %	CAS-Nr: 68609-97-2 EINECS-Nr: 271-846-8 EC-Nr:
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Additional information:

First Aid Measures

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4.

4.1. Description of the First Aid Measures

General information:

Remove contaminated clothes immediately.

After inhalation:

*Supply fresh air and seek medical advice in case of complaints.
In case of unconsciousness place patient stable in side position for transportation.*

After skin contact:

Wash off immediately with soap and plenty of water and rinse thoroughly.

After eye contact:

Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.

After ingestion:

If symptoms persist, call a physician.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

No further information available.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

No information available.

5.3. Advice for Firefighters

Protective equipment:

No special measures required.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

No special measures required.

6.2. Environmental Precautions

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Environmental precautions:

Contact local authorities if product pollutes soil or vegetation.

Do not allow entering sewage system or water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with absorbent material (sand, diatomaceous earth, acid binder, universal absorbent, saw dust) and dispose accordingly.

Dispose of contaminated material as waste according to section 13.

6.4. Reference to other Sections

Protective clothing, see Section 8.

For information for safe handling see Section 7.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Provide adequate ventilation.

Avoid the formation of aerosol.

Hygienic measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Keep container tightly closed

Requirements for storage areas and containers:

No special measures necessary.

Information on fire and explosion protection:

No special measures necessary.

Storage class:

Further Information:

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

No occupational exposure limits known.

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

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8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation/exhaust system.

Personal Protection

General protective measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin.

Remove contaminated clothing immediately.

Respiratory protection:

Respirator mask required if ventilation is insufficient. Wear filter respirator in case of short-term or low exposure, and wear a self-contained breathing apparatus in case of long-term or higher exposure.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Nitrile rubber (NBR)

Eye protection:

Tightly fitting safety goggles (EN 166).

Body protection:

No special protection required.

Environmental precautions:

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: liquid

Color:

Odor: characteristic

Odor threshold:
not determined

pH-Value:
not determined

Melting temperature:
not determined

Boiling temperature: 201°C

Flash point:

Evaporation rate:
not determined

Flammability (solid, gas):
not applicable

Upper explosion limit:

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not determined

Lower explosion limit:

not determined

Vapor pressure:

not determined

Vapor density:

not determined

Density:

1.12 g/cm³

Solubility in water:

not miscible

Coefficient of variation (n-Octanol/Water):

not determined

Auto-ignition temperature:

Product is not auto-ignitable.

Decomposition temperature:

not determined

Viscosity, dynamic:

not determined

Explosive properties:

Product does not present an explosion hazard.

Oxidizing properties:

Bulk density:

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content: 100 %

Particle size:

Other information:

10. Stability and Reactivity

10.1. Reactivity

No information available.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Unknown.

10.4. Conditions to Avoid

Conditions to avoid:

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Thermal decomposition:

No decomposition if used according to specifications.

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

None known.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

No toxicity expected.

Acute Toxicity

LD50, oral:

LD50, dermal:

LC50, inhalation:

Primary effects

Irritant effect on skin:

Causes skin irritation.

Irritant effect on eyes:

Causes serious eye irritation.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

May cause allergic skin reactions.

Mutagenicity:

No mutagenic effects known.

Reproductive toxicity:

No reproductive toxicity expected.

Carcinogenicity:

No cancerogenic effect known.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: no organospecific toxicity expected.

Repeated exposure: no organospecific toxicity expected.

Additional toxicological information:

Aspiration hazard: no data available

12. Ecological Information

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12.1. Aquatic Toxicity

No information available.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

No information available.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

Not applicable.

12.6. Other Adverse Effects

Water hazard class:

2 (German Regulation) (Assessment by list): hazardous.

Do not let product contaminate ground water, waterways or sewage system.

Danger to drinking water even if small quantities leak into the ground. Also poisonous for fish and plankton in water bodies.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

Must not be disposed together with household garbage.

European Waste Code (EWC):

070299 - Wastes not otherwise specified

Uncleaned packaging:

Dispose of according to official local regulations.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

3082

14.2. UN Proper Shipping Name

ADR/RID:

UMWELTGEFÄHRDENDER STOFF, FLÜSSIG, N.A.G.

IMDG/IATA:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, N.O.S.

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14.3. Transport Hazard Classes

<i>ADR Class:</i>	9
<i>Hazard no.:</i>	9
<i>Classification code:</i>	M6
<i>Tunnel restriction code:</i>	E
<i>IMDG Class (sea):</i>	9
<i>Hazard no.:</i>	9
<i>EmS No.:</i>	F-A, S-F
<i>IATA Class:</i>	9
<i>Hazard no.:</i>	9

14.4. Packaging Group

<i>ADR/RID:</i>	III
<i>IMDG:</i>	III
<i>IATA:</i>	III

14.5. Environmental Hazards

Labelling according 5.2.1.8 ADR/RID: fish and tree

14.6. Special Precautions for User

Warning: various dangerous materials and products.

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14.8. Further Information

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

2, hazardous for water (German Regulation)

Local regulations on chemical accidents:

Seveso III:

*Category E2: Environmentally hazardous: Amount 2: 200 t;
Amount 3: 500 t*

Employment restrictions:

Restriction and prohibition of application:

*EC. REACH, Section XVII, Restrictions on the Manufacture,
Placing on the Market and Use of Certain Dangerous Substances,
Preparations and Articles, Registered no. 3*

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

15.3. Further Information

RoHS Directive 2011/65/EC on the Restriction of the Use of

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Certain Hazardous Substances in Electrical and Electronic Equipment (RoHs): not listed.

Regulation (EU) No. 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.

Regulation (EC) 273/2004, On Drug Precursors, Category 3: None of the ingredients is listed.

Regulation (EC) 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors: not forbidden and/or not restricted

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.