

Safety Data Sheet

[Prepared in accordance with Commission Regulation (EU) No 453/2010 of 20.05.2010].

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

1.1. Product identifier

Trade name: **EpoxPower - component A**

1.2. Relevant identified uses of the substance or mixture and uses advised against

identified: modifiedepoxy resin
against: no relevant data

1.3. Details of the supplier of the safety data sheet

Supplier: **ResinBau Ltd.**

Address: 3 Frezerów Street, 20-209 Lublin, PL.

Phone/Fax: +48 731 904 000

E-mail address of the person responsible for the safety data sheet: info@resinbau.eu

1.4. Emergency phone number

112 (general emergency phone), 998 (fire department), 999 (medical emergency).

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification of the mixture according to Regulation (EC) No. 1272/2008

H315 - irritates the skin

H317 - may cause an allergic skin reaction H319 -

irritates the eyes

H411 - toxic to aquatic organisms

2.2. Signage elements

Hazard pictogram



Warning word:

Hazardous, environmentally hazardous substances

Hazard statements

H315 - irritates the skin

H317 - may cause an allergic skin reaction H319 -

irritates the eyes

H411 - toxic to aquatic organisms

Precautionary statements

P261 Avoid inhalation of dust/smoke/gas/mist/spray vapor.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 In case of eye contact: Flush contaminated eyes with clean water through steam minutes. Remove contact lenses, if necessary. Continue to wash. Consult a doctor.

P333+P313 In case of skin irritation or rash - contact a doctor. P391 Collect the spill.

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2.3. Other risks

This substance/mixture does not contain any constituents considered to be persistent, bioaccumulative PBT or vPvB

SECTION 3: Composition/information on ingredients

3.1 Mixtures

The mixture contains the following hazardous substances and substances with specified maximum concentrations in the working atmosphere

Identification numbers	Name of the substance	Content in % by weight
CAS: 25068-38-6	Reaction product of bisphenol A with epichlorohydrin	50-75
CAS: 9003-36-5	Reaction product of bisphenol F with epichlorohydrin	10-25
CAS: 68609-97-2	Monomethyl alkoxy oxirane derivatives	5-10

The full wording of all classifications and H-phrases is given in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Remove the affected person from the affected area. Remove contaminated clothing.

If it enters the respiratory tract

Immediately stop exposure, move the affected person to fresh air. Provide medical care if irritation, shortness of breath and other symptoms persist.

In case of skin contact

Wash off with soap and water and rinse abundantly with water.

In case of getting into the eyes

Rinse with plenty of clean water. Rinse with eyelid open. Refer to a doctor.

In case of ingestion

Rinse the mouth with water and drink plenty of water. Do not provoke vomiting. Call or go to a doctor.

4.2. Most important acute and delayed symptoms and effects of exposure

No data available

SECTION 5: Fire fighting measures

5.1. Extinguishing agents

Suitable extinguishing media: typical of local conditions and environment. Unsuitable extinguishing media: unknown

5.2. Special hazards associated with the substance or mixture

Do not allow extinguishing water to enter water mains or sewers

5.3. Information for the fire department

Special measures are not necessary. Use closed - circuit breathing apparatus if necessary.

Collect the extinguishing waters separately. They must not be disposed of in the sewage system. Fire residue and contaminated water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures in case of accidental release into the environment

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Move unprotected persons to a safe place.

6.2. Environmental precautions

Do not allow the product to enter the sewage system. In case of contamination of water bodies with the product - immediately notify the appropriate authorities

6.3. Methods and materials for preventing the spread of contamination and for the removal of contamination

Absorb in an inert absorbent material (sand, sawdust, silica gel). Apply neutralizing agent (mineral acid). Collect the material in suitable containers (plastic barrels) and dispose of as waste according to p. 13. Take care of good ventilation.

6.4. References to other sections

See sections 7., 8. and 13.

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SECTION 7: Handling and storage of substances and mixtures

7.1. Precautions for safe handling

Store in well sealed drums, cool and dry places. Do not inhale fumes/dust.
Avoid contamination of skin and eyes.
Do not eat or drink or smoke at the application site. Wash hands before meals and after finishing work

7.2. Conditions for safe storage, including information on any incompatibilities

Store in original, sealed and closed and labeled containers, in dry and shaded and ventilated places. Avoid formation and inhalation of aerosols.
Do not use packaging coated with zinc or aluminum

7.3. Specific end use(s)

No information on uses other than those specified in subsection 1.2 of the charter.

SECTION 8: Exposure controls/personal protective equipment

8.1. Control parameters

The product does not contain significant amounts of materials whose limits would have to be controlled for work place conditions.

8.2. Exposure control

Keep away from foodstuffs, beverages and feed. Remove soiled clothing immediately.
Wash hands before break and after work Avoid contact with skin and eyes

Eye or face protection

Sealed goggles, visors or respirators

Skin protection

Hand protection: Protective gloves (butyl or nitrile rubber). Use leather cleaning and care products

Other means of protection: Work protective clothing. Wash skin thoroughly if soiled.

Respiratory protection

Under normal conditions, no additional equipment is needed.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State of aggregation	liquid
Color	blue
Odor	faint, characteristic
Melting point/freezing	not specified
Boiling point or initial boiling point and boiling range	above 150 °C
Ignition temperature	above 150 °C
Spontaneous ignition temperature	product is not spontaneously combustible
The Explosion hazard	product is not explosion hazard
pH	not specified
Viscosity at 23 °C	not specified
Solubility in water	poorly miscible
product Density at 23°C	1.20 g/cm3

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known hazardous reactions under conditions of normal use.

10.2. Chemical stability

Durable under normal conditions

10.3. Potential for hazardous reactions

They are not known.

10.4. Conditions to avoid

Unknown

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10.5. Incompatible materials

Strong acids.

10.6. Hazardous decomposition products

Unknown

SECTION 11: Toxicological information

11.1. Information on toxicological effects Acute toxicity

Harmful when ingested

Reaction product of bisphenol A with epichlorohydrin

Route of exposure	Parameter	Value	Duration of exposure	Species
Oral	LD50	> 30000 mg/kg		Rat
Contact (leather)	LD50	> 2000 mg/kg		Rat

Reaction product of bisphenol F with epichlorohydrin

Route of exposure	Parameter	Value	Duration of exposure	Species
Oral	LD50	> 23850 mg/kg		Rat
Contact (leather)	LD50	> 2000 mg/kg		Rat

Monomethyl alkoxy oxirane derivatives

Route of exposure	Parameter	Value	Duration of exposure	Genre
Oral	LD50	> 21750 mg/kg		Rat
Contact (leather)	LD50	> 2000 mg/kg		Rat

Corrosive/irritating effect on skin

Has an irritating effect on the skin.

Serious eye damage/eye irritation

Causes eye irritation.

Respiratory or skin sensitization effects

May cause allergic skin reaction

Mutagenic effect on germ cells

No data available for the mixture or components. Based on available data, the classification criteria for the mixture are not met.

Carcinogenic effects

Based on available data, the classification criteria for the mixture are not met.

Reproductive toxicity

Based on available data, the classification criteria for the mixture are not met.

Toxic effects on target organs - single exposure

No data available

Toxic effects on target organs - repeated exposure

No data available

Toxicity by inhalation

No data available

Experience with human exposure

No data available

11.2. Information on other risks

The mixture does not contain substances with endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

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SECTION 12: Ecological information

12.1. Toxicity

Toxicity to the aquatic environment: Harmful to aquatic organisms, causing long-term effects.

Reaction product of bisphenol A with epichlorohydrin			
Parameter	Value	Duration of exposure	Species
EC50	> 2.5 mg/l	48 h	Daphnia
ErC50	> 1000 mg/l	72 h	Algae
LC50	> 1.5 mg/l	96 h	Rainbow trout

Reaction product of bisphenol F with epichlorohydrin			
Parameter	Value	Duration of exposure	Genre
EC50	> 2.5 mg/l	48 h	Daphnia
ErC50	> 1000 mg/l	72 h	Algae
LC50	> 2.5 mg/l	96 h	Rainbow trout

Monomethyl alkoxy oxirane derivatives			
Parameter	Value	Duration of exposure	Genre
EC50	> 2.0 mg/l	48 h	Daphnia
ErC50	> 800 mg/l	72 h	Algae
LC50	> 5.0 mg/l	96 h	Rainbow trout

12.2. Persistence and degradability

The product is hardly biodegradable.

12.3. Bioaccumulative potential

No data available for the mixture or components.

12.4 Mobility in soil

Data for the mixture are not available.

12.5 Results of PBT and vPvB assessment

The product does not contain substances meeting the criteria for PBT or vPvB substances according to Annex XIII, Regulation (EC) No. 1907/2006 (REACH) as amended.

12.6 Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7 Other harmful effects

The mixture does not contain substances with endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 13: Waste treatment

13.1 Waste disposal methods

Must not be treated together with household waste. Do not allow to enter the sewage system.

Uncleaned packaging: Dispose of in accordance with applicable regulations.

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SECTION 14: Transport information

14.1. UN number or ID number

UN 3082

14.2. UN proper shipping name

Epoxy resins, liquid, environmentally hazardous

14.3. Transport hazard class(es)

9 (M6), various hazardous materials and objects

14.4. Packaging group

III

14.5. Threats to the environment

Not

14.6. Special precautions for users

Hazardous materials, 90

14.7. Maritime transport in bulk in accordance with IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific to the substance or mixture

Act of February 25, 2011 on substances and their mixtures (Journal of Laws 2011 No. 63, item 322).

Ordinance of the Minister of Health of April 20, 2012 on the labeling of packages of hazardous substances and mixtures and some mixtures (Journal of Laws 2012 No. 0, item 445).

Ordinance of the Ministry of Economy and Labour (MGiPS) of November 29, 2002 on the highest permissible concentrations and intensities of factors harmful to health in the working environment (Dz.U. 20012 No. 217poz. 1833, as amended).

Government Statement dated March 23, 2011 on the entry of amendments to Annexes A and B of the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) drawn up in Geneva on September 30, 1957 (Journal of Laws 2011 No. 110, item 641)

Act of May 11, 2001 on packaging and packaging waste (Journal of Laws No. 63, item 638, as amended) Regulation of the Ministry of the Environment of September 27, 2001 on the waste catalog (Journal of Laws No. 112, item 1206).

Regulation 1907/2006 EC of the European Parliament and of the council of December 18, 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation(EC) No. 1488/94, as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

Regulation 1272/2008/EC of the European Parliament and of the Council of December 16, 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006

Regulation (EC) No. 453/210 of May 20, 2010 amending Regulation (EC) No. 1907/20016 of the European Parliament and of the Council concerning the registration, evaluation, authorization and restriction of chemicals.

15.2. Chemical safety assessment

Chemical Safety Assessment has not been carried out

SECTION 16: Other information

List of hazard statements used in the safety data sheet H315

skin

H317

May cause an allergic skin reaction

H319

Irritating to eyes

H411

Toxic to aquatic organisms

Irritating to

List of precautionary statements used in the safety data sheet

P261

Avoid inhalation of dust/smoke/gas/mist/vapors of sprayed liquid.

P273

Avoid release to the environment.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338

In case of eye contact: Flush contaminated eyes with clean water through steam minutes. Remove contact lenses, if necessary. Continue to wash. Consult a doctor.

P333+P313

In case of skin irritation or rash - contact a doctor.

P391

Collect the spill.

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Training tips

Familiarize employees with the recommended method of use, mandatory protective measures, first aid and prohibited methods of handling the product.

Recommended use restrictions

lack of data

Statement

The safety data sheet contains data to ensure safety and health protection at work and protection of the environment. The data provided correspond to the current state of knowledge and experience and are in accordance with applicable laws. They cannot be considered a guarantee of the suitability and usability of the product for a specific application.