

# Safety data sheet according to UK REACH

Printing date 10.07.2024

Version number 12 (replaces version 11)

Revision: 10.07.2024

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

- **1.1 Product identifier**
- **Trade name** EPOXY-IMPRÄGNIERHARZ IH 16 KOMP. A
- **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** Epoxy coating
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
MUREXIN GmbH  
Franz v. Furtenbachstr. 1  
A-2700 Wiener Neustadt  
Tel.: +43 (0)2622/27401
- **Informing department:** chemikalieninfo@murexin.com
- **1.4 Emergency telephone number:**  
UK National poisons Emergency number.: +44 (0) 870 600 6266

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS07 GHS09

- **Signal word** Warning
- **Hazard-determining components of labelling:**  
Bisphenol A epoxy resin  
1,6-bis(2,3-epoxypropoxy)hexane
- **Hazard statements**  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P261 Avoid breathing mist/vapours/spray.  
P273 Avoid release to the environment.

(Contd. on page 2)

GB

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**Trade name EPOXY-IMPRÄGNIERHARZ IH 16 KOMP. A**

(Contd. of page 1)

- P280 Wear protective gloves / eye protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

- Contains epoxy constituents. May produce an allergic reaction.

- **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:** Mixture consisting of the following components with harmless additives.

- **Dangerous components:**

CAS: 1675-54-3 EINECS: 216-823-5	Bisphenol A epoxy resin  Aquatic Chronic 2, H411  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 EUH205 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	25-50%
CAS: 933999-84-9 EC number: 618-939-5 Reg.nr.: 01-2119463471-41	1,6-bis(2,3-epoxypropoxy)hexane  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Aquatic Chronic 3, H412	25-50%

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information** Instantly remove any clothing soiled by the product.

- **After inhalation**

- Supply fresh air and call for doctor for safety reasons.

- In case of unconsciousness bring patient into stable side position for transport.

- **After skin contact**

- If skin irritation continues, consult a doctor.

- Instantly wash with water and soap and rinse thoroughly.

- **After eye contact**

- Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

- **After swallowing** Seek immediate medical advice.

- **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**

- Use fire fighting measures that suit the environment.

- CO<sub>2</sub>, 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.

(Contd. on page 3)

## Safety data sheet according to UK REACH

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Trade name EPOXY-IMPRÄGNIERHARZ IH 16 KOMP. A

(Contd. of page 2)

- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or water bodies.  
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **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**  
Keep containers tightly sealed.  
Ensure good ventilation/exhaustion at the workplace.
- **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:**  
Store only in the original container.  
Provide floor trough without outlet.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class 10**
- **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 at 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 during the compilation were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to in handling the chemicals.  
Keep away from foodstuffs, beverages and food.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.

(Contd. on page 4)

## Safety data sheet according to UK REACH

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Version number 12 (replaces version 11)

Revision: 10.07.2024

Trade name EPOXY-IMPRÄGNIERHARZ IH 16 KOMP. A

(Contd. of page 3)

- Avoid contact with the eyes and skin.
- **Breathing equipment:** Not necessary if room is well-ventilated.
  - **Hand protection** Protective gloves.
  - **Material of gloves**  
Butyl rubber, BR  
Nitrile rubber, NBR
  - **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - **Eye/face protection** Tightly sealed safety glasses.
  - **Body protection:** Protective work clothing.

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

- |   |  |
|---|--|
| · <b>Physical state</b>   | Fluid                                      |
| · <b>Colour:</b>  | Yellowish                                  |
| · <b>Smell:</b>   | Aromatic                                   |
| · <b>Melting point/freezing point:</b>                            | Not determined                             |
| · <b>Boiling point or initial boiling point and boiling range</b> | >200 °C                                    |
| · <b>Lower and upper explosion limit</b>                          |  |
| · <b>Lower:</b>   | Not determined.                            |
| · <b>Upper:</b>   | Not determined.                            |
| · <b>Flash point:</b>   | >100 °C                                    |
| · <b>Decomposition temperature:</b>                               | Not determined.                            |
| · <b>pH</b>   | Not determined.                            |
| · <b>Viscosity:</b>   |  |
| · <b>Kinematic viscosity</b>                                      | Not determined.                            |
| · <b>dynamic at 20 °C:</b>  | 140 mPas                                   |
| · <b>Solubility</b>   |  |
| · <b>Water:</b>   | not miscible                               |
| · <b>Partition coefficient n-octanol/water (log value)</b>        | Not determined.                            |
| · <b>Steam pressure at 20 °C:</b>                                 | >0 hPa (1675-54-3 Bisphenol A epoxy resin) |
| · <b>Density and/or relative density</b>                          |  |
| · <b>Density at 20 °C</b>   | 1.1 g/cm <sup>3</sup>                      |
| · <b>Relative density</b>   | Not determined.                            |
| · <b>Vapour density</b>   | Not determined.                            |

#### · 9.2 Other information

- |  |                              |
|--|------------------------------|
| · <b>Appearance:</b>   |                              |
| · <b>Form:</b>   | Fluid                        |
| · <b>Important information on protection of health and environment, and on safety.</b> |                              |
| · <b>Self-inflammability:</b>  | Product is not selfigniting. |
| · <b>Explosive properties:</b>   | Product is not explosive.    |
| · <b>Solvent content:</b>  |                              |
| · <b>Solids content:</b>   | 0.0 %                        |
| · <b>Change in condition</b>   |                              |
| · <b>Evaporation rate</b>  | Not determined.              |

#### · Information with regard to physical hazard classes

- |                          |      |
|--------------------------|------|
| · <b>Explosives</b>      | Void |
| · <b>Flammable gases</b> | Void |

(Contd. on page 5)

## Safety data sheet according to UK REACH

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Version number 12 (replaces version 11)

Revision: 10.07.2024

Trade name EPOXY-IMPRÄGNIERHARZ IH 16 KOMP. A

(Contd. of page 4)

· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** 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:** Poisonous gases/vapours

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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

##### 1675-54-3 Bisphenol A epoxy resin

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **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.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) -**
- **11.2 Information on other hazards**

#### · Endocrine disrupting properties

None of the ingredients is listed.

GB

(Contd. on page 6)

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Trade name EPOXY-IMPRÄGNIERHARZ IH 16 KOMP. A

(Contd. of page 5)

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **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**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Toxic for aquatic organisms  
Also poisonous for fish and plankton in water bodies.  
Water hazard class (Germany) 2 (Self-assessment): hazardous for water.  
Do not allow product to reach ground water, water bodies or sewage system.  
Danger to drinking water if even small quantities leak into soil.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Can be deposited with household garbage after solidification following consultation with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.  
Must be specially treated under adherence to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>· <b>14.1 UN number or ID number</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>                                    | UN3082  |
| <ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG</b></li> <li>· <b>IATA</b></li> </ul> | 3082 ENVIRONMENTALLY HAZARDOUS<br>SUBSTANCE, LIQUID, N.O.S. (Bisphenol A epoxy<br>resin)<br>ENVIRONMENTALLY HAZARDOUS SUBSTANCE,<br>LIQUID, N.O.S. (Bisphenol A epoxy resin), MARINE<br>POLLUTANT<br>ENVIRONMENTALLY HAZARDOUS SUBSTANCE,<br>LIQUID, N.O.S. (Bisphenol A epoxy resin) |

(Contd. on page 7)

GB



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Version number 12 (replaces version 11)

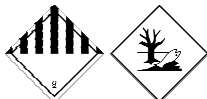
Revision: 10.07.2024

Trade name EPOXY-IMPRÄGNIERHARZ IH 16 KOMP. A

(Contd. of page 6)

· **14.3 Transport hazard class(es)**

· ADR, IMDG, IATA



· Class

9 Miscellaneous dangerous substances and articles.

· Label

9

· **14.4 Packing group**

· ADR, IMDG, IATA

III

· **14.5 Environmental hazards:**

Product contains environmentally hazardous substances: Bisphenol A epoxy resin

· Marine pollutant:

Yes

· Special marking (ADR):

Symbol (fish and tree)

· Special marking (IATA):

Symbol (fish and tree)

Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

· Kemler Number:

90

· EMS Number:

F-A, S-F

· Stowage Category

A

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**

· ADR

· Limited quantities (LQ)

5L

· Transport category

3

· Tunnel restriction code

(-)

· UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN), 9, III

### SECTION 15: Regulatory information

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

· Poisons Act

· Regulated explosives precursors

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

· Directive 2012/18/EU

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

(Contd. on page 8)

GB

## Safety data sheet according to UK REACH

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Revision: 10.07.2024

Trade name **EPOXY-IMPRÄGNIERHARZ IH 16 KOMP. A**

(Contd. of page 7)

- **Seveso category E2** Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · **Relevant phrases**

- 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.
- H412 Harmful to aquatic life with long lasting effects.
- EUH205 Contains epoxy constituents. May produce an allergic reaction.

#### · **Contact:** chemikalieninfo@murexin.com (+43 02622/27401)

#### · **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
- 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
- vPvB: very Persistent and very Bioaccumulative
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1: Skin sensitisation – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

#### · **\* Data compared to the previous version altered.**

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