

**SAFETY DATA SHEET**  
**EpoxyPlus EX (resin component part A)**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

**1.1 Product Identifier**

**Product name** EpoxyPlus EX (resin component part A)

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

**Identified uses** Two component epoxy based adhesive.

**1.3 Details of the supplier of the safety data sheet**

**Supplier** Leviat Limited  
The Mille  
1000 Great West Road (10<sup>th</sup> Floor)  
Brentford  
London TW8 9DW  
  
Tel: +44 (0)20 8735 5200  
Fax: +44 (0)20 8735 5201  
Email: sales.helifix.uk@leviat.com

**Contact person** sales.helifix.uk@leviat.com

**1.4 Emergency telephone number**

+44 (0)20 8735 5200 (Mon – Fri 09:00 – 17:00)

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

**Physical hazards** Not Classified  
  
**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317  
  
**Environmental hazards** Aquatic Chronic 2 - H411

**2.2. Label elements**

**Pictogram**



**Signal word** Warning

**Hazard statements**

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.



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**Precautionary statements**

P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P391 Collect spillage.  
P501 Dispose of contents/container in accordance with national regulations.

**Contains**

EPOXY RESIN (Number average MW <= 700 ), EPOXY PHENOL  
FORMALDEHYDE RESIN, REACTION PRODUCTS OF HEXANE-1,6-DIOL WITH  
2-CHLOROMETHYL)OXIRANE(1:2)

**Supplementary precautionary statements**

P261 Avoid breathing vapour / spray.  
P264 Wash contaminated skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P332+P313 If skin irritation occurs: Get medical advice / attention.  
P333+P313 If skin irritation or rash occurs: Get medical advice / attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.

**2.3. Other hazards**

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

**EPOXY RESIN (Number average MW <= 700 )** **50-80%**  
**CAS number:** 25068-38-6 **EC number:** 500-033-5 **REACH registration number:** 01-2119456619-26-XXXX

**Classification**

Skin Irrit. 2 - H315  
Eye Irrit. 2 - H319  
Skin Sens. 1 - H317  
Aquatic Chronic 2 - H411

**EPOXY PHENOL FORMALDEHYDE RESIN** **20-50%**

**CAS number:** 28064-14-4 **EC number:** 500-108-2

**Classification**

Skin Irrit. 2 - H315  
Eye Irrit. 2 - H319  
Skin Sens. 1 - H317  
Aquatic Chronic 2 - H411

**REACTION PRODUCTS OF HEXANE-1,6-DIOL WITH 2- CHLOROMETHYL)OXIRANE(1:2)** **>0.5 <1.0%**

**CAS number:** 933999-84-9 **EC number:** 618-939-5 **REACH registration number:** 01-2119463471-41-XXXX

**Classification**

Skin Irrit. 2 – H315  
Eye Irrit. 2 – H319  
Skin Sens. 1A – H317



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Aquatic Chronic 3 – H412

The Full Text for all Hazard Statements are Displayed in Section 16.

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

<b>Inhalation</b>	Remove affected person from source of contamination. Get medical attention if any discomfort continues.
<b>Ingestion</b>	DO NOT induce vomiting. Get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

**4.2. Most important symptoms and effects, both acute and delayed**

<b>Inhalation</b>	May cause respiratory irritation.
<b>Ingestion</b>	May cause stomach pain or vomiting.
<b>Skin contact</b>	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. May cause sensitisation by skin contact.
<b>Eye contact</b>	Irritating to eyes.

**4.3. Indication of any immediate medical attention and special treatment needed**

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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**SECTION 5: FIRE FIGHTING MEASURES**

**5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media</b>	DO NOT use water if avoidable.

**5.2. Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Oxides of carbon. Oxides of nitrogen.
<b>Hazardous combustion products</b>	



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**5.3. Advice for firefighters**

**Protective actions during firefighting** No specific firefighting precautions known.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2. Environmental precautions**

**Environmental precautions** Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up** Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

**6.4. Reference to other sections**

**Reference to other sections** For personal protection, see Section 8. Collect and dispose of spillage as indicated in Section 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

**Usage precautions** Avoid contact with eyes. Avoid contact with skin.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage precautions** Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use.

**7.3. Specific end use(s)**

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**EPOXY RESIN (Number average MW <= 700 ) (CAS: 25068-38-6)**

**DNEL** Industry - Inhalation; Long term systemic effects: 12.25 mg/m<sup>3</sup>  
Industry - Inhalation; Short term systemic effects: 12.25 mg/m<sup>3</sup>

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Industry - Dermal; Long term systemic effects: 8.33 mg/kg/day  
Industry - Dermal; Short term systemic effects: 8.33 mg/kg/day  
REACH dossier information

**PNEC**

- Fresh water; 0.006 mg/l
- Marine water; 0.0006 mg/l
- Intermittent release; 0.018 mg/l
- STP; 10 mg/l
- Sediment (Freshwater); 0.996 mg/kg
- Sediment (Marinewater); 0.0996 mg/kg
- Soil; 0.196 mg/kg

REACH dossier information

**REACTION PRODUCTS OF HEXANE-1,6DIOL WITH 2-CHLOROMETHYL)OXIRANE(1:2) (CAS:933999-84-9)**

**DNEL**

Industry - Inhalation; Long term systemic effects: 4.9 mg/m<sup>3</sup>  
Industry - Inhalation; Short term systemic effects: 4.9 mg/m<sup>3</sup>  
Industry - Inhalation; Long term local effects: 0.44 mg/m<sup>3</sup>  
Industry - Dermal; Long term systemic effects: 2.8 mg/kg/day  
Industry - Dermal; Long term local effects: 22.6 µg/cm<sup>2</sup>  
Industry - Dermal; Short term local effects: 22.6 µg/cm<sup>2</sup>  
REACH dossier information

**PNEC**

- Fresh water; 0.0115 mg/l
- Marine water; 0.00115 mg/l
- Intermittent release; 0.115 mg/l
- STP; 1 mg/l
- Sediment (Freshwater); 0.283 mg/l
- Sediment (Marinewater); 0.0283 mg/l
- Soil; 0.223mg/kg

REACH dossier information

**8.2. Exposure controls**

**Protective equipment**



**Appropriate engineering controls** No specific ventilation requirements.

**Eye/face protection** Wear eye protection.

**Hand protection** Wear protective gloves made of the following material: Nitrile rubber.

**Hygiene measures** Provide eyewash station. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.



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<b>Respiratory protection</b>	Not relevant.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Liquid
<b>Colour</b>	White/off-white.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	>35°C @ 760 mm Hg
<b>Flash point</b>	>100°C CC (Closed cup). Literature
<b>Evaporation rate</b>	No information available.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Other flammability</b>	Not available.
<b>Vapour pressure</b>	<500 Pa @ °C
<b>Vapour density</b>	No information available.
<b>Relative density</b>	1.2 - 1.3
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Insoluble in water
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	No information available.



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**Explosive under the influence of a flame** No

**Oxidising properties** Does not meet the criteria for classification as oxidising.

**9.2. Other information**

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

**Reactivity** The following materials may react with the product: Acids. Amides. Amines. Phenols, cresols.

**10.2. Chemical stability**

**Stability** Stable at normal ambient temperatures and when used as recommended.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** The following materials may react with the product: Acids. Amides. Amines. Phenols, cresols.

**10.4. Conditions to avoid**

**Conditions to avoid** Avoid contact with acids and alkalis.

**10.5. Incompatible materials**

**Materials to avoid** Acids, Amines, Amides

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** Oxides of carbon. Oxides of nitrogen.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Skin sensitisation**

**Skin sensitisation** Sensitising

**General information** Contains epoxy constituents. May produce an allergic reaction.

**Inhalation** No specific health hazards known.

**Ingestion** No harmful effects expected from quantities likely to be ingested by accident.

**Skin contact** Irritating to skin. May cause sensitisation by skin contact.

**Eye contact** May cause severe eye irritation.

**Acute and chronic health hazards** Irritating to skin. Irritating to eyes.

**Route of entry** Skin and/or eye contact.

**Medical symptoms** Skin irritation.

**Medical considerations** Skin disorders and allergies.



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**Toxicological information on ingredients**

**EPOXY RESIN (Number average MW <= 700 )**

**Acute toxicity - oral**

Acute toxicity oral (LD<sub>50</sub> mg/kg) 11,400.0

Species Rat

**Acute toxicity - dermal**

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 1,200.0

Species Rat

**REACTION PRODUCTS OF HEXANE-1,6-DIOL WITH 2-CHLOROMETHYL)OXIRANE(1:2)**

Acute toxicity oral (LD<sub>50</sub> mg/kg) 3,010.0

Species Rat

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**Ecological information on ingredients**

**EPOXY RESIN (Number average MW <= 700 )**

Acute toxicity – fish LC<sub>50</sub>, 96 hours: 2 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 1.8 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, 72 hours: 11 mg/l, Freshwater algae  
EC<sub>50</sub>, 96 hours: 220 mg/l, Scenedesmus subspicatus

Chronic toxicity – aquatic invertebrates NOEC, 21 days: 0.3 mg/l, Daphnia magna

**REACTION PRODUCTS OF HEXANE-1,6-DIOL WITH 2-CHLOROMETHYL)OXIRANE(1:2)**

**Acute toxicity – fish** LC<sub>50</sub>, 96 hours: 30 mg/l, Onchorhynchus mykidss (Rainbow trout)

**12.2 Persistence and degradability**

**Persistence and degradability** The product is not biodegradable.

**EPOXY RESIN (Number average MW <= 700 )**

**Biodegradation** -12% Degradation (%): 28 days





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**REACTION PRODUCTS OF HEXANE-1,6-DIOL WITH 2-CHLOROMETHYL)OXIRANE(1:2)**

**Biodegradation** -47% Degradation (%): 28 days  
OECD 301D

**12.3. Bioaccumulative potential**

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

**Ecological information on ingredients**

**EPOXY RESIN (Number average MW <= 700 )**

**Biodegradation potential** May accumulate in soil and water systems. BCF: 100 - 3000,

**Partition coefficient** log Pow: 3.242 Estimated Value

**REACTION PRODUCTS OF HEXANE-1,6-DIOL WITH 2-CHLOROMETHYL)OXIRANE(1:2)**

**Bioaccumulative potential** BCF: < 100, Estimated Value

**Partition coefficient** log Pow: -0.272 Estimated Value

**12.4. Mobility in soil**

**Mobility** The product is insoluble in water and will spread on the water surface. The product is non-volatile. Semi-mobile.

**EPOXY RESIN (Number average MW <= 700 )**

**Mobility** Semi-mobile.

**Adsorption/desorption coefficient** Water - Koc: 1800 - 4400 @ 25°C Estimated Value

**Henry's law constant** 4.93E-05 Pa m<sup>3</sup>/mol @ 25°

**12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

**Ecological information on ingredients:**

**EPOXY RESIN (Number average MW <= 700 )**

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

**12.6. Other adverse effects**



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**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

**Disposal methods** Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Dispose of waste via a licensed waste disposal contractor.

**SECTION 14: TRANSPORT INFORMATION**

**14.1. UN number**

**UN No. (ADR/RID)** 3082

**UN No. (IMDG)** 3082

**UN No. (ICAO)** 3082

**UN No. (ADN)** 3082

**14.2. UN proper shipping name**

**Proper shipping name (ADR/RID)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700), EPOXY PHENOL FORMALDEHYDE RESIN)

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700), EPOXY PHENOL FORMALDEHYDE RESIN)

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700), EPOXY PHENOL FORMALDEHYDE RESIN)

**Proper shipping name (ADN)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700), EPOXY PHENOL FORMALDEHYDE RESIN)

**14.3. Transport hazard class(es)**

**ADR/RID class** 9

**ADR/RID classification code** M6

**ADR/RID label** 9

**IMDG class** 9

**ICAO class/division** 9

**ADN class** 9

**Transport labels**



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**14.4. Packing group**

ADR/RID packing group III

IMDG packing group III

ADN packing group III

ICAO packing group III

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant



**14.6. Special precautions for user**

EmS F-A, S-F

ADR transport category 3

Emergency Action Code •3Z

Hazard Identification Number (ADR/RID) 90

Tunnel restriction code (E)

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

**SECTION 15: REGULATORY INFORMATION**

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

EU legislation (EU) No 2015/830

Guidance Workplace Exposure Limits EH40.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

Revision date 25/04/2022

Revision 3

SDS number HUK19

**Hazard statements in full**

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.



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H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.