

## Coversheet for Overseas SDS

**PLEASE ATTACH THIS COMPLETED SHEET TO THE SDS FOR:**

**PRODUCT:**

EpoxyPlus EX Part B (Hardener)

**SDS DATE:**

6 December 2019



**Supplier:**

Leviat New Zealand Limited  
246D James Fletcher Drive, Otahuhu  
Auckland, 2024  
09 276 2236

**Emergency Contacts:**

National Poison Centre:	0800 764 766 ( <b>0800 POISON</b> )
Emergency Services	Dial 111
(Fire, Ambulance, Police):	

### Hazard Identification & Regulatory Requirements:

<b>Product Name:</b>	EpoxyPlus EX Part B (Hardener)
<b>HNSO Approval Number / HNSO Group Standard:</b>	Surface Coatings and Colourants (Corrosive) Group Standard 2017 - HSR002658
<b>HNSO Classes:</b>	6.1E, 6.5B, 8.2B, 8.3A, 9.1C, 9.3C
<b>Hazard Precautions and Statements including Class 9 statements where applicable:</b>  <div style="display: flex; justify-content: space-around; align-items: center;">   </div>	<b>DANGER</b> May be harmful if swallowed. May be fatal if swallowed and enters airways. Causes severe skin burns and serious eye damage. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects. Harmful to terrestrial vertebrates. Keep out of reach of children. Read label and safety data sheet before use. Avoid release to the environment.



## MATERIAL SAFETY DATA SHEET

### EpoxyPlus EX part B (hardener)

According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

##### 1.1. Product identifier

Product name EpoxyPlus EX

##### 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

Leviat New Zealand Limited  
246D James Fletcher Drive  
Otahuhu  
Auckland 2024  
NEW ZEALAND  
Tel: +64 (0) 9 276 2236  
e-mail: info.nz@leviat.com

Web [www.helifix.co.nz](http://www.helifix.co.nz)

##### 1.4. Emergency number

Emergency Poisons and Hazardous Chemicals Information Centre  
0800 POISON / 0800 764 766 (24 hours)

Police 111

#### SECTION 2: HAZARDS IDENTIFICATION

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

###### Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Repr. 2 - H361

Environmental hazards Aquatic Chronic 3 - H412

Human health Corrosive. Prolonged contact causes serious eye and tissue damage. Contains a substance/a group of substances which may damage fertility and the unborn child.

Environmental The product contains a substance which may have hazardous effects on the environment.

##### 2.2. Label elements

###### Hazard pictograms



Signal word Danger



## MATERIAL SAFETY DATA SHEET

### EpoxyPlus EX part B (hardener)

<b>Hazard statements</b>	<p>H314 Causes severe skin burns and eye damage.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H361 Suspected of damaging fertility or the unborn child.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
<b>Precautionary statements</b>	<p>P201 Obtain special instructions before use.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P260 Do not breathe vapours.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/ attention.</p>
<b>Contains</b>	<p>STYRENATED PHENOL, 2-PIPERAZIN-1-YLETHYLAMINE, 1,3-CYCLOHEXANEBIS(METHYLAMINE), SALICYLIC ACID</p>
<b>Supplementary precautionary statements</b>	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P401 Store in accordance with local regulations.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>

### 2.3. Other hazards

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

##### 3.2. Mixtures

##### **STYRENATED PHENOL** **10-20%**

CAS number: 61788-44-1	EC number: 262-975-0	REACH registration number: 01-2119979575-18
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##### **Classification**

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

##### **2-PIPERAZIN-1-YLETHYLAMINE** **5-10%**

CAS number: 140-31-8	EC number: 205-411-0
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##### **Classification**

Acute Tox. 4 - H302  
 Acute Tox. 3 - H311  
 Skin Corr. 1B - H314  
 Eye Dam. 1 - H318  
 Skin Sens. 1 - H317  
 Repr. 2 - H361  
 STOT RE 1 - H372  
 Aquatic Chronic 3 - H412



## MATERIAL SAFETY DATA SHEET

### EpoxyPlus EX part B (hardener)

**1,3-CYCLOHEXANEBIS(METHYLAMINE)****1-5%**

CAS number: 2579-20-6

EC number: 219-941-5

REACH registration number: 01-2119543741-41

**Classification**

Acute Tox. 4 - H302

Acute Tox. 4 - H312

Skin Corr. 1A - H314

Aquatic Chronic 3 - H412

**SALICYLIC ACID****1-5%**

CAS number: 69-72-7

EC number: 200-712-3

REACH registration number: 01-2119486984-17

**Classification**

Acute Tox. 4 - H302

Eye Dam. 1 - H318

**BIS(ISOPROPYL)NAPHTHALENE****>0.5 <1.0%**

CAS number: 38640-62-9

EC number: 254-052-6

REACH registration number: 01-2119565150-48

M factor (Chronic) = 1

**Classification**

Asp. Tox. 1 - H304

Aquatic Chronic 1 - H410

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

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures****Inhalation**

Remove affected person from source of contamination. Get medical attention if any discomfort continues.

**Ingestion**

DO NOT induce vomiting. Get medical attention immediately.

**Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

**Eye contact**

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****Inhalation**

Irritation of nose, throat and airway.

**Ingestion**

May cause stomach pain or vomiting.

**Skin contact**

Burning pain and severe corrosive skin damage. Blistering may occur. Chemical burns.

**Eye contact**

May cause chemical eye burns. May cause blurred vision and serious eye damage.



## MATERIAL SAFETY DATA SHEET

### EpoxyPlus EX part B (hardener)

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

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

### SECTION 5: FIRE FIGHTING MEASURES

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

**Unsuitable extinguishing Media** DO NOT use water if avoidable.

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

**Specific hazards** No unusual fire or explosion hazards noted.

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

#### 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 for 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** Collect and dispose of spillage as indicated in Section 13. Contain spillage with sand, earth or other suitable non-combustible material. Avoid discharge into drains or watercourses or onto the ground.

#### 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 skin. Avoid contact with eyes. Do not empty into drains.

**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 and drink. Keep container closed 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.



## MATERIAL SAFETY DATA SHEET

### EpoxyPlus EX part B (hardener)

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

##### 8.1. Control parameters

##### Occupational exposure limits

##### **1,3-CYCLOHEXANEBIS(METHYLAMINE)**

Long-term exposure limit (8-hour TWA): WEL 0.1 ppm(Sk) 0.8 mg/m<sup>3</sup>(Sk)

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

##### **STYRENATED PHENOL (CAS: 61788-44-1)**

##### **DNEL**

REACH dossier information

Industry - Inhalation; Long term systemic effects: 0.734649123 mg/m<sup>3</sup>

Industry - Dermal; Long term systemic effects: 0.416666667 mg/kg/day

##### **PNEC**

REACH dossier information

- Intermittent release; 0.01371 mg/l

- STP; 1.0638 mg/l

- Fresh water; 0.001371 mg/l

- marine water; 0.0001371 mg/l

- Soil; 20.64517608 mg/kg

- Sediment (Marinewater); 43.65269484 mg/kg

- Sediment (Freshwater); 43.65269484 mg/kg

##### **2-PIPERAZIN-1-YLETHYLAMINE (CAS: 140-31-8)**

##### **DNEL**

REACH dossier information

Industry - Dermal; Short term local effects: 0.04 mg/kg/day

Industry - Inhalation; Long term systemic effects: 3.6 mg/m<sup>3</sup>

Industry - Dermal; Short term systemic effects: 20 mg/kg/day

Industry - Dermal; Long term systemic effects: 3.3 mg/kg/day

Industry - Inhalation; Short term systemic effects: 21.4 mg/m<sup>3</sup>

Industry - Dermal; Long term local effects: 0.006 mg/kg/day

##### **PNEC**

REACH dossier information

- Sediment (Marinewater); 21.5 mg/kg

- Sediment (Freshwater); 215 mg/kg

- Intermittent release; 0.58 mg/l

- Soil; 42.9 mg/kg

- STP; 250 mg/l

- Fresh water; 0.058 mg/l

- marine water; 0.0058 mg/l

##### **1,3-CYCLOHEXANEBIS(METHYLAMINE) (CAS: 2579-20-6)**

## MATERIAL SAFETY DATA SHEET

### EpoxyPlus EX part B (hardener)

**DNEL** REACH dossier information  
 Industry - Dermal; Long term systemic effects: 0.2 mg/kg/day  
 Industry - Inhalation; Long term systemic effects: 0.71 mg/m<sup>3</sup>  
 Industry - Inhalation; Short term systemic effects: 21.2 mg/m<sup>3</sup>  
 Industry - Dermal; Short term systemic effects: 6 mg/kg/day

**PNEC** REACH dossier information  
 - Intermittent release; 0.331 mg/l  
 - marine water; 0.00331 mg/l  
 - STP; 10 mg/l  
 - Fresh water; 0.0331 mg/l

#### SALICYLIC ACID (CAS: 69-72-7)

**DNEL** REACH dossier information  
 Industry - Inhalation; Long term systemic effects: 16 mg/m<sup>3</sup>  
 Industry - Dermal; Long term systemic effects: 2 mg/kg/day

**PNEC** REACH dossier information  
 - Sediment (Freshwater); 1.42 mg/kg  
 - Intermittent release; 1 mg/l  
 - Fresh water; 0.2 mg/l  
 - STP; 162 mg/l  
 - marine water; 0.02 mg/l  
 - Soil; 0.166 mg/kg  
 - Sediment (Marinewater); 0.142 mg/kg

#### BIS(ISOPROPYL)NAPHTHALENE (CAS: 38640-62-9)

**DNEL** Workers - Inhalation; Long term systemic effects: 30 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 4.3 mg/kg/day  
 REACH dossier information

**DMEL** Workers - Inhalation; Long term systemic effects: 300 mg/m<sup>3</sup>  
 REACH dossier information

**PNEC** - Fresh water; 0.26 µg/L  
 - marine water; 0.026 µg/L  
 - STP; 0.15 mg/l  
 - Sediment (Freshwater); 0.94 mg/kg  
 - Sediment (Marinewater); 0.094 mg/l

## 8.2. Exposure controls

### Protective equipment





## MATERIAL SAFETY DATA SHEET

### EpoxyPlus EX part B (hardener)



#### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

The following protection should be worn: Tight-fitting safety glasses. Contact lenses should not be worn when working with this chemical.

#### Hand protection

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

#### Other skin and body protection

Avoid contact with skin. Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### Hygiene measures

Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Use engineering controls to reduce air contamination to permissible exposure level.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

#### Environmental exposure controls

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

Appearance	Liquid
Colour	Brownish.
Odour	Characteristic. Amine.
Odour threshold	Not determined.
pH	Not applicable.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	>100° C Closed cup. Literature
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Other flammability	Not applicable.
Vapour pressure	Not determined.
Vapour density	Not determined.





## MATERIAL SAFETY DATA SHEET

### EpoxyPlus EX part B (hardener)

Relative density	1.75 - 1.85
Bulk density	Not available.
Solubility(ies)	Not determined.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	> 60 S ISO2431
Explosive properties	No information available.
Explosive under the influence of a flame	Not considered to be explosive.
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. Epoxides. Oxidising agents. Peroxides.

#### 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. Epoxides. Oxidising agents. Peroxides.

#### 10.4. Conditions to avoid

**Conditions to avoid** Stable. However, may decompose if heated.

#### 10.5. Incompatible materials

**Materials to avoid** Acids. Epoxides. Oxidising agents. Peroxides.

#### 10.6. Hazardous decomposition products

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

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

**Acute toxicity - oral**



## MATERIAL SAFETY DATA SHEET

### EpoxyPlus EX part B (hardener)

ATE oral (mg/kg)	3,344.22
<u>Acute toxicity - dermal</u>	
ATE dermal (mg/kg)	3,918.55
<u>Skin corrosion/irritation</u>	
Human skin model test	«328» «329» «330» «84»
<u>Skin sensitisation</u>	
Skin sensitisation	Sensitising.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Suspected of damaging fertility.
Inhalation	Vapour may irritate respiratory system/lungs.
Ingestion	May cause stomach pain or vomiting.
Skin contact	May cause sensitisation by skin contact. May cause serious chemical burns to the skin.
Eye contact	Risk of serious damage to eyes. May cause chemical eye burns.
Acute and chronic health hazards	May cause sensitisation by skin contact. Causes severe burns.
Route of exposure	Skin and/or eye contact Inhalation
Target organs	No specific target organs known.
Medical symptoms	Symptoms following overexposure may include the following: Chemical burns.

#### Toxicological information on ingredients.

##### STYRENATED PHENOL

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD <sub>50</sub> mg/kg)	2,000.0
Species	Rat
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD <sub>50</sub> mg/kg)	2,000.0
Species	Rat

##### 2-PIPERAZIN-1-YLETHYLAMINE

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD <sub>50</sub> )	1,470.0



## MATERIAL SAFETY DATA SHEET

### EpoxyPlus EX part B (hardener)

mg/kg)  
Species Rat

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>) 866.0

mg/kg)  
Species Rabbit

ATE dermal (mg/kg) 300.0

#### 1,3-CYCLOHEXANEBIS(METHYLAMINE)

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>) 700.0

mg/kg)  
Species Rat

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>) 1,700.0

mg/kg)  
Species Rabbit

#### SALICYLIC ACID

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>) 891.0

mg/kg)  
Species Rat

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>) 2,000.0

mg/kg)  
Species Rat

#### BIS(ISOPROPYL)NAPHTHALENE

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>) 4,130.0

mg/kg)  
Species Rat

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Ecological information on ingredients.

#### STYRENATED PHENOL



## MATERIAL SAFETY DATA SHEET

### EpoxyPlus EX part B (hardener)

**Acute aquatic toxicity****Acute toxicity - fish**

LC50, 96 hours: 14.8 mg/l,

**Acute toxicity – aquatic invertebrates**EC<sub>50</sub>, 48 hours: 1-10 mg/l, Daphnia magna**Acute toxicity – aquatic plants**EC<sub>50</sub>, 72 hours: 3.14 mg/l, Scenedesmus subspicatus**Chronic aquatic toxicity****NOEC**

0.01 &lt; NOEC ≤ 0.1

**2-PIPERAZIN-1-YLETHYLAMINE****Acute aquatic toxicity****Acute toxicity - fish**

LC50, 96 hours: 2190 mg/l, Pimephales promelas (Fat-head Minnow)

LC50, 96 hours: 368 mg/l, Poecilia reticulata (Guppy)

**Acute toxicity – aquatic invertebrates**EC<sub>50</sub>, 48 hours: 32 mg/l, Daphnia magna**Acute toxicity – aquatic plants**EC<sub>50</sub>, 48 hours: 494 mg/l, Selenastrum capricornutum**1,3-CYCLOHEXANEBIS(METHYLAMINE)****Acute aquatic toxicity****Acute toxicity - fish**

LC50, &gt; 96 hours: 100 mg/l, Leuciscus idus (Golden orfe)

**Acute toxicity – aquatic invertebrates**EC<sub>50</sub>, 48 hours: 29 mg/l, Daphnia magna**Acute toxicity – aquatic plants**EC<sub>50</sub>, > 96 hours: 100 mg/l, Scenedesmus subspicatus**Acute toxicity - terrestrial**EC<sub>50</sub>, > 14 days: 1000 mg/kg, Eisenia Fetida (Earthworm)**SALICYLIC ACID****Acute aquatic toxicity****Acute toxicity - fish**

LC50, 48 hours: 90 mg/l, Leuciscus idus (Golden orfe)

**Acute toxicity - microorganisms**EC<sub>50</sub>, > 3 hours: 3200 mg/l, Activated sludge**12.2. Persistence and degradability****Persistence and degradability**

There are no data on the degradability of this product.

**12.3. Bioaccumulative potential****Bioaccumulative potential**

No data available on bioaccumulation.

**Partition coefficient**

Not determined.



## MATERIAL SAFETY DATA SHEET

### EpoxyPlus EX part B (hardener)

#### 12.4. Mobility in soil

**Mobility** Mobile. The product is miscible with water and may spread in water systems.

#### 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.

#### 12.6. Other adverse effects

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

**General information** Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

**Disposal methods** Dispose of waste via a licensed waste disposal contractor.

**Waste class** The waste code classification is to be carried out according to the European Waste Catalogue(EWC).

### SECTION 14: TRANSPORT INFORMATION

#### 14.1. UN number

UN No. (ADR/RID)	2735
UN No. (IMDG)	2735
UN No. (ICAO)	2735
UN No. (ADN)	2735

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 1,3-CYCLOHEXANEBIS(METHYLAMINE), 2-PIPERAZIN-1-YLETHYLAMINE)
Proper shipping name (IMDG)	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 1,3-CYCLOHEXANEBIS(METHYLAMINE), 2-PIPERAZIN-1-YLETHYLAMINE)
Proper shipping name (ICAO)	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 1,3-CYCLOHEXANEBIS(METHYLAMINE), 2-PIPERAZIN-1-YLETHYLAMINE)
Proper shipping name (ADN)	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 1,3-CYCLOHEXANEBIS(METHYLAMINE), 2-PIPERAZIN-1-YLETHYLAMINE)

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

ADR/RID class	8
ADR/RID classification code	C7
ADR/RID label	8
IMDG class	8
ICAO class/division	8



## MATERIAL SAFETY DATA SHEET

### EpoxyPlus EX part B (hardener)

ADN class 8  
Transport labels



#### 14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

ADN packing group II

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

#### 14.6. Special precautions for user

EmS F-A, S-B

ADR transport category 2

Emergency Action Code 2X

Hazard Identification Number (ADR/RID) 80

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 6/12/2019

Version number 1.0

SDS number HNZ7

Hazard statements in full  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.



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### EpoxyPlus EX part B (hardener)

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H311 Toxic in contact with skin.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H361 Suspected of damaging fertility or the unborn child.  
H372 Causes damage to organs (Respiratory tract) through prolonged or repeated exposure.  
H410 Very toxic to aquatic life with long lasting effects.  
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.