

1. Product and Company Identification

- 1.1 **PRODUCT NAME:** EPISTIXX (UNIT A)
- 1.2 **USE OF PRODUCT** When mixed with Unit B provides a multi-use water borne epoxy body coat or primer for use on most building surfaces.
- 1.3 **SUPPLIER:** Equus Industries Ltd
Sheffield Street
Riverlands Industrial Estate
Blenheim, Marlborough, New Zealand
Telephone: +64 3 578 0214
Fax: +64 3 578 0919
- 1.4 **EMERGENCY CONTACT:** **National Poison Centre**
Telephone: 0800 764 766

Information about Safety Data Sheet: Telephone: +64 3 578 0214 8:00am – 6:00pm Mon – Fri

- 1.5 **Date of Preparation:** 13 January 2021

2. Hazards Identification

- 2.1 **Statement of Hazardous Nature:**
Classified as hazardous according to New Zealand Hazardous Substances (Minimum degrees of hazard) Regulations 2017.
- 2.2 **HSNO Group Standard:**
Surface Coatings and Colourants (Subsidiary Hazard). Group Standard 2017
- 2.3 **Hazard Classification:**
6.3B, 6.4A, 6.5B, 6.9B, 9.1B
- 2.3.1 **Class and GHS Category**

| | |
|-----------------------------------|-------|
| Skin Corrosion/Irritation | Cat 3 |
| Serious eye damage/eye irritation | Cat 2 |
| Skin Sensitisation | Cat 1 |
| STOT RE | Cat 2 |
| Aquatic Toxicity (chronic) | Cat 2 |
- 2.3.2 **HSNO Category:**

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|------|---|
| 6.3B | Hazard Statement: Causes mild skin irritation |
| 6.4A | Causes eye irritation |
| 6.5B | May cause an allergic skin reaction |
| 6.9B | May cause damage to organs through prolonged or repeated exposure |
| 9.1B | Toxic to aquatic life with long lasting effects. |

2.4 **Pictograms**



Signal Word: Warning

2.5 Prevention Statements:

- P103 Read label before use.
- P260 Do not breathe mist/spray
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of workplace.
- P273 Avoid release into the environment (sewers, drains etc).
- P280 Wear protective gloves, clothing and eye protection.

2.6 Response Statements:

- P332 + P313 If skin irritation occurs: Get medical advice/ attention.
- P305 + P351+ P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/attention
- P363 Wash contaminated clothing before reuse.
- P314 Get medical advice/attention if you feel unwell.

2.7 Storage Statements:

None applicable

3. Composition/Information on Ingredients

3.1 Hazardous Components:

| CAS NO. | COMPONENT | CONCENTRATION (% weight) |
|---|---|--------------------------|
| 25068-38-6 | Reaction product of epichlorohydrin and bisphenol A | 30-40 |
| 26761-45-5 | Glycidyl neodecanoate. | 5-10 |
| Balance of ingredients Non hazardous or below hazardous threshold | | |

4. First Aid Measures

4.1 After Inhalation:

Remove person to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

4.2 After Skin Contact:

Wipe excess material from exposed area. Flush exposed skin with water and follow by washing with soap if available. If irritation develops, seek medical advice/attention.

4.3 After Eye Contact:

Flush cautiously with water for several minutes, while holding eyelid open. Remove contact lenses if present and easy to do continue rinsing. If eye irritation persists or develops, seek medical advice/attention.

4.4 After Ingestion:

Do not induce vomiting. Have victim rinse out mouth with water, and then drink sips of water to remove taste from mouth. In general, no treatment is necessary unless large quantities of product are ingested. Get medical advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:**
Water spray or fog (Large fire only), foam, dry chemical or carbon dioxide.
- 5.2 Protective Equipment:**
Wear self contained breathing apparatus, protective suit, gloves and face shield.
- 5.3 Specific Hazards:**
Material can splatter above 100°C.
- 5.4 Combustion Products:**
Carbon monoxide, carbon dioxide, aldehydes and acrid smoke.

6. Accidental Release Measures

- 6.1 Preliminary Action and Precautions:**
- 6.1.1 Use personal protective equipment.
 - 6.1.2 Keep people away from and upwind of spill/leak.
 - 6.1.3 Material can create slippery conditions.
 - 6.1.4 Contain spills immediately with inert materials (e.g. sand, earth etc.)
 - 6.1.5 Transfer liquids and solid diking material to suitable containers for recovery or disposal.
 - 6.1.6 Keep spills and cleaning run off from entering sewers, drains and open bodies of water.

7. Handling and Storage

- 7.1 Handling:**
- 7.1.1 Avoid contact with eyes, skin and clothing.
 - 7.1.2 Wash hands thoroughly after handling.
 - 7.1.3 Keep containers tightly closed when not in use.
 - 7.1.4 Do not breathe vapours, mist or gas.
- 7.2 Storage:**
- 7.2.1 Store in a cool, dry, well ventilated space.
 - 7.2.2 Keep containers tightly closed at all times.
 - 7.2.3 Keep away from open flames and high temperatures.

8. Exposure Controls and Personal Protection Equipment

- 8.1 Exposure Limits:**
Exposure limits have not been established.
- 8.2 Exposure Controls:**
- 8.2.1 Exposure Controls in the Work Place:**
Use only in areas provided with appropriate exhaust ventilation.

8.2.2 Personal Protection Equipment:

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|--------------------------|---|
| Respiratory Protection – | Not generally required. Use certified respiratory protection when respiratory risk cannot be avoided, particularly when spraying. |
| Hand Protection – | Chemically resistant gloves. |
| Eye Protection – | Goggles or safety glasses with side shields compatible with any respiratory equipment employed. |
| Body Protection - | Use suitable protective clothing. |
| Footwear - | wear suitable protective footwear (AS/HES 2210) |

9. Physical and Chemical Properties**9.1 General Information:**

| | |
|---|---|
| Physical State/Form | Liquid (Viscous) |
| Colour | Various |
| Odour | Mild |
| Odour Threshold | Not available |
| pH | Not applicable |
| Melting point/freezing point | Not available |
| Initial boiling point and boiling range | >200°C |
| Flash Point | Not available |
| Evaporation rate | Not applicable |
| Flammability (solid,gas) | Not available |
| Upper/lower flammability or explosive limits | Not available |
| Vapour pressure | Not available |
| Vapour density | Not available |
| Relative density | 1.75 |
| Water solubility(ies) | Negligible |
| Water solubility of ingredients | Negligible |
| Partition coefficient: n-octanol/water | Not available |
| Auto-ignition temperature | Not available |
| Decomposition temperature | Not available |
| Viscosity | Brookfield 50rpm:20,800-32,800cps @23°C |

10. Stability and Reaction**10.1 General Information:**

This product is stable and no hazardous reactions are known.

10.2 Conditions to Avoid:

Avoid high temperatures above 300°C. Potential violent decomposition can occur above 350°C

10.3 Material to Avoid:

Acids, bases, oxidising agents, amines, Polymerisation initiators.

10.4 Hazardous Decomposition Products:

None expected when material properly handled and stored. For thermal decomposition see Section 5.

11. Toxicological Information**11.1 General Information:**

No specific data is available for this material.

11.2 Skin Contact:

May be irritating to the skin. Prolonged or repeated contact to the skin may cause skin sensitization.

11.3 Eye Contact:

May be irritating to the eyes.

11.4 Ingestion:

May cause slight gastric irritation.

11.5 Inhalation:

Inhalation may cause a slight irritation to the respiratory tract.

12. Ecological Information**12.1 Environment Protection:**

Prevent from entering sewers, drains and waterways.

12.2 Ecotoxicity:

Ecotoxicological Testing of Bisphenol A – (epichlorohydrin), reaction product.

| | | |
|----------------|--------------------------------|-------------|
| Fathead Minnow | LC50 (96hr): | 3.1mg/ℓ |
| Daphnia Magna | EC50 (48hr immobilisation): | 1.4-1.7mg/ℓ |
| Bacteria | IC50 (18hr, growth inhibition) | >42.6mg/ℓ |

12.3 Persistence and degradability:

Based on OECD guidelines, Bisphenol A – (epichlorohydrin), reaction product cannot be considered to be readily biodegradable (12% biodegradation in 28 days, OECD Test 302B). However, this does not mean that the material will not degrade under environmental conditions.

12.4 Bioaccumulative Potential:

No data available.

13. Disposal Consideration**13.1 Material:**

Dispose of according to regulation by incineration in a special waste incinerator or landfill at a permitted facility in accordance with local/national regulations.

14. Transport Information**14.1 Land Transport:**

Not regulated under NZS 5433: 2007 Transport of Dangerous Goods on Land.

14.2 Classified Dangerous by IATA and IMDG when carried by Air or Sea Transport.

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|------------------------------|--|
| UN Number: | 3082 |
| Proper Shipping Name: | Environmentally Hazardous Substance, Liquid: NOS |
| Class: | 9 |
| Packing Group: | III |
| Hazchem Code: | 3Z |

15. Regulatory Information

- 15.1 HSNO Approval:**
 Approved Code: HSR002670
 HSNO Group Standard: Surface Coatings and colourants (Subsidiary Hazard)
- 15.2 HSNO Controls:**
 Approved Handler: Not required.

16. Other Information

- 16.1 Hazard Classifications:**
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| 6.3B | Substances that are mildly irritating to the skin. |
| 6.4A | Substances that are irritating to the eye |
| 6.5B | Substances that are contact sensitisers. |
| 6.9B | Substances that are harmful to human target organs or systems. |
| 9.1B | Substances that are ecotoxic in the aquatic environment. |
- 16.2 Abbreviations/Terminology:**
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|------------|---|
| HSNO | Hazardous substances and New Organisms Act |
| CAS | Chemical Abstract Service |
| LD50, LC50 | Lethal dose/Lethal Concentration – Dose or concentration required to produce the specified effect in 50% of the sample studied. |
| EC50 | Half maximal effective concentration. |
| IC50 | Half maximal concentration inhibiting a specific biological or biochemical fraction. |
- 16.3 Issue Information:**
- | | |
|----------------------|--------------------------|
| Date of Preparation: | 13 January 2021 |
| Reasons: | Update and format change |
| Replaces: | 2 September 2015 |
- 16.4** The information contained in this Data Sheet relates only to the specific material identified. Equus Industries Ltd believes the information to be accurate and reliable as at the date of this Data Sheet. No Warranty, Guarantee or representation is expressed or implied by the Company as to the absolute correctness or completeness of any representation contained in this Data and assumes no legal responsibility in connection therewith. It can not be assumed that all acceptable safety measures are contained in this Data Sheet, or that additional measures may not be required under particular or exceptional circumstances or conditions.