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MATERIAL SAFETY DATA SHEET

MSDS 161

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1. Product and Company Identification

- 1.1 PRODUCT NAME:** EPISTIXX TOPCOAT (UNIT A)
- 1.2 USE OF PRODUCT** When mixed with Unit B provides a hard wearing water-borne epoxy finish for walls and floors.
- 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

2. Hazards Identification

- 2.1 Classification:**
This product is hazardous and a non-dangerous good.
- 2.2 Risk/Safety Phrases:**
R36,38,43,51,53
S28,37,39,61
- The full text of each R & S phrases are listed in Section 16.

3. Composition/Information on Ingredients

- 3.1 Chemical Characterization (Preparation):**
This product is a preparation



3.2 Hazardous Ingredients:

CAS NO.	COMPONENT	CONCENTRATION %	CLASSIFICATION
25068-38-6	Bisphenol A	20-40%	R36/38/43/51/53
141-78-6	Ethyl acetate	<0.8%	R11/36/66/67
1330-20-7	Xylene	<0.5%	R10/20/21/36/38

3.3 Only ingredients, additives and impurities which are classified and contribute to the classification of the product are included in this section.

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.

4.3 After Eye Contact:

Flush with water for at least 15 minutes, while holding eyelid open. Rest eyes for 30 minutes. If redness, burning, blurred vision or swelling persists, consult a doctor.

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:

Use extinguishing media appropriate for surrounding fire.

5.2 Protective Equipment:

Wear self contained breathing apparatus and protective suit.

5.3 Specific Hazards:

Material will not burn unless preheated.

5.4 Combustion Products:

Carbon monoxide, carbon dioxide, fumes and 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 (eg. 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 Avoid prolonged or repeated contact with skin, eyes and clothing.
- 7.1.3 Keep containers tightly closed when not in use.
- 7.1.4 Do not breathe vapours, mist or gas.
- 7.1.5 Wash hands thoroughly after handling.
- 7.1.6 Launder contaminated clothing before reuse.

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:

Xylene	Cas – 1330-20-7	TLV/TWA (ACGIH): 100ppm (434mg/m ³)
		STEL (ACGIH): 150ppm (651mg/m ³)

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:

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.

9. Physical and Chemical Properties

9.1 General Information:

Physical State/Form	Liquid
Colour	Various colours
Odour	Epoxy resin
Flash Point	>110 (PMCC)
Water Solubility/Miscibility	Negligible
Specific Gravity	1.96
VOC	24 g/l

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.

10.3 Material to Avoid:

Can react with strong oxidizing agents, strong lewis or mineral acid, and strong mineral and organic bases.

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:
Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

12.3 Persistence and degradability:
No data available.

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:
Road: Not regulated (not dangerous for transport)
Rail: Not regulated (not dangerous for transport)

14.2 Sea Transport: (IMO/IMDG): Not regulated.

14.3 Air Transport: (IATA/ICAO): Not regulated.

14.4 Postal and Courier Service: Is Permitted.

15. Regulatory Information

This product is hazardous.



16. Other Information

16.1 Full Text of R-Phrases Contained in Section 2:

R36/38 Irritating to eyes and skin

R43 May cause sensitization by skin contact

R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

16.2 Full Text of S-Phrases Contained in Section 2:

S28 After contact with skin, wash immediately with plenty of soap suds.

S37/39 Wear suitable gloves and eye/face protection

S61 Avoid release to the environment. Refer to special instructions/safety data sheets

16.3 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.