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MATERIAL SAFETY DATA SHEET

MSDS 161/B

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1. Product and Company Identification

- 1.1 PRODUCT NAME:** EPISTIXX TOPCOAT (UNIT B)
- 1.2 USE OF PRODUCT** When mixed with Unit A 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 a hazardous and a non-dangerous good.
- 2.2 Risk/Safety Phrases:**
R38,41,
S26,36/37/39,61
- 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
-	Polyaminoamide	20-40%	R38/41
4067-16-7	3,6,9,12 Tetraazatetradecamethylenediamine	<3.0%	R34/43/51/53



- 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. If irritation to respiratory system develops, consult a doctor.
- 4.2 After Skin Contact:**
Wash off immediately with plenty of water. Remove any contaminated clothing, and seek medical attention if irritation develops.
- 4.3 After Eye Contact:**
Rinse immediately with plenty of water while holding eyelid open, for at least 20 minutes. Remove contact lenses. Seek medical attention.
- 4.4 After Ingestion:**
Do not induce vomiting. Rinse mouth thoroughly with water immediately. Seek medical advice. If person vomits, place in recovery position. Prevent aspiration of vomit.
- 4.5 Advice to Doctor:**
Application of corticosteroid cream had been effective in treating skin irritation.

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:**
May generate ammonia gas, and/or toxic nitrogen oxide gases. Use of water may result in the formation of toxic aqueous solutions.
- 5.4 Combustion Products:**
Carbon monoxide, carbon dioxide. Ammonia gas may be liberated at high temperatures. In case of incomplete combustion an increased formation of oxides of nitrogen is to be expected. Burning produces obnoxious and toxic fumes.

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 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 well ventilated space.
- 7.2.2 Keep containers tightly closed at all times.
- 7.2.3 Do not store near acids or alkalis.
- 7.2.4 Do not store in reactive metal containers.

8. Exposure Controls and Personal Protection Equipment

8.1 Exposure Limits:

No values assigned for this specific material.

8.2 Exposure Controls:

8.2.1 Exposure Controls in the Work Place:

Provide adequate ventilation to ensure concentrations are kept at a minimum.

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	Slightly ammoniacal
Boiling Point	>100°C
Water Solubility/Miscibility	Dispersible
Specific Gravity	1.05
VOC	0 g/l

10. Stability and Reaction

- 10.1 General Information:**
This product is stable and no hazardous reactions are known under normal conditions.
- 10.2 Conditions to Avoid:**
There are no known conditions which should be avoided.
- 10.3 Material to Avoid:**
Sodium hypochlorite, organic acids, mineral acids. Incompatible with bases, amines, reducing agents, oxidizing agents. Reaction with peroxides may result in violent decomposition of peroxide, possibly creating an explosion.
- 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:**
Will cause severe irritation in contact with the skin, which can result in redness, itching and possible contact dermatitis.
- 11.3 Eye Contact:**
Will cause severe irritation in contact with the eyes.
- 11.4 Ingestion:**
May cause gastric irritation.
- 11.5 Inhalation:**
Inhalation of vapours or spray mists will cause irritation to the respiratory tract. Symptoms can include headaches, coughing and breathing difficulties.



11.6 Chronic Effects:

Prolonged contact may result in chemical burns and permanent damage. Repeated or prolonged contact causes sensitization, asthma and eczemas, adverse skin and eye effects (such as rash, irritation or corrosion, conjunctivitis or corneal damage). Medical disorders may be aggravated (skin disorders, allergies etc).

12. Ecological Information

12.1 Environment Protection:

Prevent from entering sewers, drains and waterways.

12.2 Ecotoxicity:

No data available.

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:

- R38** Irritating to skin.
R41 Risk of serious damage to eyes

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

- S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, 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.