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## MATERIAL SAFETY DATA SHEET

MSDS 353

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### 1. Product and Company Identification

- 1.1 PRODUCT NAME:** TRAXX 2000
- 1.2 USE OF PRODUCT** An elastomeric liquid applied polyurethane membrane for interior and exterior use.
- 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:**  
Dangerous Goods – classification according to New Zealand Dangerous Goods Code.
- 2.2 Risk & Safety Phrases:**  
R10,20,36,37,38,42,43  
S23,36,37,45

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
-	Polyisocyanate prepolymer	40-60%	R20/36/37/38/42/43
1330-20-7	Xylene	<10%	R10/20/21/38
145899-78-1	Modified Oxazolidine	<2.0%	R41/52/53
64504-12-7	Lead iso-octanoate	<0.3%	R20/22/33

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. Allow person to rest. If not breathing, give artificial respiration. Seek medical attention.

### 4.2 After Skin Contact:

Remove contaminated clothing. Rinse skin immediately with mild soap and plenty of water. Seek medical attention in the event of a skin reaction.

### 4.3 After Eye Contact:

Hold eye open and rinse with lukewarm water for at least 10 minutes. Seek medical attention.

### 4.4 After Ingestion:

Do not induce vomiting. Rinse mouth with water. Allow affected person to rest. Seek medical attention.

### 4.5 Advice to Doctor:

Symptoms and findings:

#### 4.5.1 Oral:

Gastrointestinal discomfort, nausea, vomiting, lethargy or diarrhea. Treatment should be directed at the control of symptoms and the clinical condition of the patient.

#### 4.5.2 Inhalation:

Prolonged over exposure to either vapour or mist can cause coughing, shortness of breath, dizziness and drunkenness.

## 5. Fire Fighting Measures

### 5.1 Suitable Extinguishing Media:

Carbon dioxide, foam, dry powder. In case of larger fires, water spray should be used.

### 5.2 Protective Equipment:

Use self contained breathing apparatus when in close proximity to fire, and wear full body protective clothing.



**5.3 Specific Hazards:**

Eliminate every possible source of ignition (open flame, sparks, smoking etc).

**5.4 Combustion Products:**

Carbon monoxide, carbon dioxide, fumes and smoke.

**5.5 Precautions in Connection with Fire:**

When exposed to ignition source, vapours can burn in open or explode if confined. Vapours may travel along ground before igniting and flash back to vapour source. Fight fire from a safe distance. Heat may build enough pressure to rupture closed containers. Use water spray/fog for cooling. Avoid frothing/steam explosion. Burning liquid may float on water.

**6. Accidental Release Measures**

**6.1 Preliminary Action and Precautions:**

**6.1.1** Eliminate every possible source of ignition.

**6.1.2** Evacuate all personnel immediately and ventilate area.

**6.1.3** Avoid breathing vapour and contact with skin, eyes and clothing.

**6.1.4** Wear recommended personal protective equipment.

**6.1.5** Shut off leaks if possible without risk.

**6.1.6** Dike in the spilled product as much as possible with wet inert material.

**6.1.7** Prevent entry of product into sewers, storm water drains and open bodies of water.

**6.1.8** Collect the spillage in closable, suitable disposal containers.

**6.1.9** Clean up and spills as soon as possible, using an inert wet absorbent material and eliminate as hazardous waste.

**7. Handling and Storage**

**7.1 Handling:**

**7.1.1** Always provide adequate ventilation, if necessary exhaust ventilation.

**7.1.2** Avoid breathing vapour or mist.

**7.1.3** Avoid contact with eyes, skin and clothing.

**7.1.4** Explosion protection required.

**7.1.5** Precautions required in the handling of solvents must be taken.



**7.1.6** Use special care to avoid static electric discharges.

**7.1.7** Wash hands thoroughly after handling, especially before eating, drinking, smoking or using the toilet.

**7.2 Storage:**

**7.2.1** Store in a well ventilated, fire proof place.

**7.2.2** Store away from sources of ignition, (i.e. sparks, open flames, heat etc.)

**7.2.3** Store away from oxidizing agents.

**7.2.4** Keep containers tightly closed at all times.

**8. Exposure Controls and Personal Protection Equipment**

**8.1 Exposure Limits:**

Xylene	Cas – 1330-20-7	TLV/TWA (ACGIH): 80ppm (350mg/m <sup>3</sup> ) STEL (ACGIH): 150ppm (655mg/m <sup>3</sup> )
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**8.2 Exposure Controls:**

**8.2.1 Exposure Controls in the Work Place:**

Local exhaust and general ventilation must be adequate to meet exposure limit(s).

**8.2.1 Personal Protection Equipment:**

Respiratory Protection - Use approved respirator with replaceable organic vapour filter.

Hand Protection – Wear chemically resistant gloves such as neoprene.

Eye Protection – Wear chemical splash goggles and/or face shield.

**8.2.2 Additional Remarks:**

Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment, relative to the task to be performed, conditions present, duration of use and the hazards and/or potential hazards that may be encountered during use.

**9. Physical and Chemical Properties**

**9.1 General Information:**

<b>Physical State/Form</b>	Liquid
<b>Colour</b>	Various
<b>Odour</b>	Hydrocarbon solvent
<b>Flash Point</b>	26°C (closed cup)
<b>Water Solubility/Miscibility</b>	Negligible.
<b>Specific Gravity</b>	1.2
<b>VOC</b>	145 g/l

**9. Stability and Reaction**

**10.1 General Information:**

This material is stable when properly handled and stored. No hazardous reactions are known.



**10.2 Conditions to Avoid:**

Extended contact with air or oxygen. Heat, sparks, open flame and other ignition sources, and oxidizing conditions.

**10.3 Material to Avoid:**

Strong oxidizing agents. Moisture and humidity. May react with oxygen to form peroxides.

**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 toxicity data is available for this product.

**11.2 Skin Contact:**

Irritating to the skin. Product degreases skin causing redness, dry skin. Product is absorbed through skin.

**11.3 Eye Contact:**

Will cause eye discomfort, but will not injure eye tissue.

**11.4 Ingestion:**

Minimal toxicity. After swallowing, some drops of liquid can enter the lungs (aspiration), which may cause pneumonia.

**11.5 Inhalation:**

Harmful by inhalation. Exposure to high concentrations may cause gradual loss of consciousness. Symptoms may include: abdominal pain, cough, diarrhoea, dizziness, unconsciousness.

**11.6 Chronic effects:**

Harmful by inhalation and in contact with skin. Aromatic hydrocarbons, such as xylene, irritate the skin and mucous membranes and are narcotic if inhaled in high concentrations. The product may cause central nervous system depression resulting in disturbances of equilibrium and lowering of the reaction velocity. Risk of cutaneous absorption.

**12. Ecological Information**

**12.1 Environment Protection:**

Prevent product from entering drains, sewers and waterways.

**12.2 Ecotoxicity:**

No data available.

**12.3 Persistence and degradability:**

Data not available.

**12.4 Bioaccumulative Potential:**

Data not available.



### 13. Disposal Consideration

#### 13.1 Material

Dispose of according to regulations 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: Flammable liquid. (Class: 3 , GP III, HAZ CHEM 3Y)

Rail: Flammable liquid. (Class: 3 , GP III, HAZ CHEM 3Y)

**14.2 Sea Transport:** Flammable liquid. (Class:3.3 , GP III, HAZ CHEM 3Y)

**14.3 Air Transport:** Flammable liquid. (Class: 3 , GP III, HAZ CHEM 3Y)

**14.4 Postal and Courier Service:** This product cannot be transported by courier.

### 15. Regulatory Information

This product is hazardous and flammable.

### 16. Other Information

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

<b>R10</b>	Flammable
<b>R20</b>	Harmful by inhalation
<b>R36/37/38</b>	Irritating to the eyes, respiratory system and skin
<b>R42/43</b>	May cause sensitization by inhalation and skin contact

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

<b>S23</b>	Do not breathe gas/fumes/vapour/spray
<b>S36/37</b>	Wear suitable protective clothing and gloves
<b>S45</b>	In case of accident or if you feel unwell, seek medical advice immediately.

**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.