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**MATERIAL SAFETY DATA SHEET**

MSDS 831

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**1. Product and Company Identification**

- 1.1 PRODUCT NAME:** XYLOL
- 1.2 USE OF PRODUCT** Thinner and cleaner.
- 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:**  
R10,20-21,38,  
S25

The full text of each R & S phrases is listed in Section 16.

**3. Composition/Information on Ingredients**

- 3.1 Chemical Characterization (Preparation):**  
This product is a mixture of 1,2-, 1,3- and 1,4-Dimethylbenzene and ethylbenzene.

**3.2 Hazardous Ingredients:**

CAS NO.	COMPONENT	CONCENTRATION %	CLASSIFICATION
1330-20-7	Xylene	>74%	R10/20/21/38
100-41-4	Ethylbenzene	<25%	R11/20



- 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**

In case of doubt or persistent symptoms, call a doctor. Never give anything by mouth to an unconscious person.

- 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.
- 4.3 After Eye Contact:**  
Hold eye open and rinse with lukewarm water for at least 15 minutes. Remove contact lenses. Seek medical attention.
- 4.4 After Ingestion:**  
Do not induce vomiting. Rinse mouth with water. Take patient to hospital immediately.
- 4.5 Advice to Doctor:**  
Treat symptomatically.

#### **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 accepted fire fighting techniques. Wear full fire fighting protective clothing, including self contained breathing apparatus (SCBA).
- 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:**  
Apply water spray or fog to cool nearby equipment. Avoid fire fighting water entering the environment.

#### **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 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 suitable, closable containers for reuse or disposal.
- 6.1.9 Clean up and spills as soon as possible, using an inert 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 Use adequate personal protective equipment and observe precautions pertaining to use in confined spaces.
- 7.1.8 Do not pressurize, cut, heat or weld containers and do not open near an open flame, or sources of heat or ignition.
- 7.1.9 Wash hands thoroughly after handling, especially before eating, drinking, smoking or using the toilet.

### **7.2 Storage:**

- 7.2.1 Store in a cool, 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.
- 7.2.5 Store away from direct sunlight.

**8. Exposure Controls and Personal Protection Equipment****8.1 Exposure Limits:**

Xylene	Cas – 1330-20-7	TLV/TWA (ACGIH):	50ppm (221mg/m <sup>3</sup> )
		STEL (ACGIH):	100ppm (442mg/m <sup>3</sup> )
Ethylbenzene	Cas – 100-41-4	TLV/TWA (ACGIH):	100ppm (442mg/m <sup>3</sup> )
		STEL (ACGIH):	125ppm (551mg/m <sup>3</sup> )

**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). Use explosion proof ventilation equipment.

**8.2.2 Personal Protection Equipment:**

Respiratory Protection - Wear appropriate, properly fitted NIOSH/MSHA, approved organic vapour or supplied air respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS. Follow manufacturers directions for respirator use.

Hand Protection – Wear chemically resistant gloves such as neoprene, nitrile rubber or PVA. Gloves should be replaced immediately if signs of degradation are observed.

Eye Protection – Wear chemical splash goggles and/or face shield. Must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles or vapour.

Skin/Body Protection – Wear suitable protective clothing. (Anti-static).

**8.2.3 Additional Remarks:**

This material can be absorbed through the skin, mucous membranes or eyes is an important part of the total exposition. The absorption can be the consequence of direct contact as well as the presence in the air. Do not eat, drink or smoke when using this product.

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

<b>Physical State/Form</b>	Liquid
<b>Colour</b>	Clear
<b>Odour</b>	Aromatic
<b>pH</b>	Not applicable
<b>Boiling Point/Range</b>	137 - 143°C (1013hPa)
<b>Melting Point</b>	< - 25°C
<b>Flash Point</b>	24 - 27°C
<b>Autoignition Temperature</b>	460°C
<b>Explosion Limits</b>	1,0 – 7,0 vol.%
<b>Vapour Pressure</b>	app. 8,0 mbar at 20°C
<b>Relative Vapour Density</b>	3,7 (air = 1)
<b>Density</b>	0,862 – 0,872 kg/l
<b>% Volatiles</b>	100% (by weight)
<b>Water Solubility/Miscibility</b>	Insoluble



## 10. 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:

Heat, sparks, open flame and other ignition sources, and oxidizing conditions.

### 10.3 Material to Avoid:

Strong oxidizing agents.

### 10.4 Hazardous Decomposition Products:

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

## 11. Toxicological Information

### 11.1 Acute Toxicity:

Xylene:

Inhalation LC50: (Rat – 4h) > 20 mg/l

Dermal LD50: (Rat) >2000 mg/kg

Oral LD50: (Rat) >2000 mg/kg

Ethylbenzene:

Inhalation LC50: (Rat – 4h) >10 mg/l

Dermal LD50: (Rabbit) >10000 mg/kg

Oral LD50: (Rat) >2000 mg/kg

### 11.2 Skin Contact:

Irritating to the 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:

After swallowing, some drops of liquid can enter the lungs (aspiration), which may cause pneumonia. Symptoms may include abdominal cramps, diarrhea.

### 11.5 Inhalation:

Harmful by inhalation. Exposure to high concentrations may cause diminuation of consciousness. Symptoms may include: abdominal pain, coughing, diarrrohea, dizziness, unconsciousness.

### 11.6 Chronic effects:

Alcohol will intensify the harmful action. The product may cause central nervous system depression resulting in disturbances of equilibrium and lowering of the reaction velocity.

## 12. Ecological Information

### 12.1 Environment Protection:

Prevent product from entering drains, sewers and waterways.



## 12.2 Ecotoxicity:

Xylene:

LC50 (Fish, 96 h): 3,77 – 13,5 mg/l

EC50 (Daphnia magna, 48 h): 7,4 mg/l

Ethylbenzene:

LC50 (Fish, 96 h): 10 mg/l

EC50 (Daphnia magna, 48 h): 100 mg/l

## 12.3 Persistence and degradability:

Data not available.

## 12.4 Bioaccumulative Potential:

Little chance of bioaccumulation.

## 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: Xylenes (Class: 3, PG III, HAZ CHEM 3Y)

Rail: Xylenes (Class: 3, PG III, HAZ CHEM 3Y)

14.2 **Sea Transport:** Xylenes (Class: 3.3, PG III, HAZ CHEM 3Y)

14.3 **Air Transport:** Xylenes (Class: 3, PG III, HAZ CHEM 3Y)

14.4 **Postal and Courier Service:** Can not be transported.

## 15. Regulatory Information

This product is hazardous and flammable.

## 16. Other Information

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

R10 Flammable

R20/21 Harmful by inhalation and in contact with skin

R38 Irritating to skin.



**16.2 Full Text of S-Phrases Contained in Section 2:**  
**S25** Avoid contact with eyes.

**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.