

# MATERIAL SAFETY DATASHEET

## XYLENE THINNER

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### 1. IDENTIFICATION OF CHEMICAL

Chemical name

**XYLENE**

CAS Number : 1330-20-7

EINECS Number : 202-422-2

#### Details of the supplier of the safety data sheet

Company:  
PERMABOUND  
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#### Emergency telephone number

Telephone: +44 1246 388 889  
(Office hours only)

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### 2. COMPOSITION

Composition : Ketone / Alcohol / Acetate

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### 3. HAZARD IDENTIFICATION

**Main Hazards :**

Flammable. Harmful by inhalation \* in contact with skin. Irritating to skin

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### 4. FIRE FIGHTING MEASURES

**Exposure Hazard :** Wear self - contained breathing apparatus, protective clothing to prevent contact with skin & eyes. Material is flammable.

**Suitable Extinguisher :** Extinguish with carbon dioxide, dry chemical power, vaporising liquid or water spray.

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### 5. FIRST AID MEASURES

**Skin Contact :** In the case of skin contact flood the splashed area with large quantities of running water.

**Eye Contact :** If the substance has entered the eyes, wash out with water or saline solution for at least 15 minutes

**Ingestion :** If the chemical has been confined to the mouth give large quantities of water as a mouthwash. Ensure that the mouthwash is not swallowed. if the chemical has been swallowed, give about 250ml of water to dilute it in the stomach. Obtain medical attention.

**Inhalation :** Not applicable

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### 6. ACCIDENTAL RELEASE MEASURES

**Personal Protection :** Complete eye & face protection & gloves

**Leaks & spills :** Wash the spillage with large amounts of water

**Clean-up procedures :** Sweep up the spilled substance but avoid making dust. Transfer to a closable salvage container for disposal by an appropriate method or retain for recovery. Dispose of absorbed material in accordance with regulations.

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### 7. HANDLING & STORAGE

**Handling Requirements :** Store in a cool dry well ventilated area well away from heat or other sources of ignition. keep away from oxidising agents.

**Storage Precautions :** Wear eye protection, gloves & protective clothing. When using do not smoke.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Personal Protection** : Complete eye face protection & rubber gloves.

**Exposure Limits** : 100ppm (435 mg/m<sup>3</sup>) TWA ; 150PPM (650 ) --15 min

**Type** : Oral - RAT LD50

**Toxicity** : 4300 mg / kg

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## 9. PHYSICAL & CHEMICAL PROPERTIES

**Appearance & Odour** : Clear Liquid, perceptible odour

**Chemical Formula** : C<sub>6</sub>H<sub>4</sub> (C H 3 ) 2

**Boiling Point / Range 'C** : 138 - 142

**Melting Point / Range 'C** : -95

**Oxidising** : N/A

**Explosive Limits : lower** : 1

**Upper** : 7

**Flash point 'C** : 24'C

**Part coefficient** : N/A

**Flammability** : N/A

**Autoflammability 'C** : N/A

**Vapor pressure** : 6.2mm 20'C

**Relative Density** : 0.86

**pH** : N/A

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## 10. STABILITY & REACTIVITY

**Stability** : Stable.

**Avoid Contact With** : Can react with oxidising materials. Nitration should be carefully controlled.

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## 11. TOXICOLOGICAL INFORMATION

**Health Effects** :

**Skin** : Irritating to skin. Prolonged contact may cause dermatitis. Harmful if absorbed through the skin

**Eyes** : Irritating to eyes

**Inhalation** : Harmful if inhaled. Material is irritating to mucous membranes & the upper respiratory tract. Symptoms may include dizziness, nausea & mental confusion. Prolonged inhalation may cause liver & kidney damage.

**Ingestion** : Harmful if swallowed. ingestion causes severe irritation to the digestive organs.

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## 12. ECOLOGICAL EFFECTS

**Ecotoxicity** : Slightly toxic to freshwater fish & organisms. Moderately toxic to marine fish & organisms. Slightly toxic to mammalian wildlife.

**Persistence** : Biodegradable. Floats on water. Evaporates slowly. Causes Oxygen depletion of surface waters. Low potential to bio accumulate.

### 13. DISPOSAL OPERATIONS

**Waste Disposal** : Small volumes may be allowed to evaporate in a safe open area. Larger volumes may be burnt in a chemical incinerator equipped with afterburner & scrubber. Where there is no incinerator or safe evaporation site available transfer to a waste solvent drum for collection by a specialist disposal company.

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### 14. TRANSPORT INFORMATION

#### IMDG Code

**UN no:** 1307  
**Packing Group :** III  
**Class :** 3.3

#### ADR / RID

**Subst. ID no :** 1307  
**Class no :** 3,31 (c)

#### IATA / ICAO

**UN no:** 1307

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### 15. REGULATORY INFORMATION

**Classification** : Highly Flammable. Harmful.

**Risk Phrases :**     **R10** ; Flammable  
                          **R20/21** ; Harmful by Inhalation & in contact with skin  
                          **R38** ; Irritating to skin  
**Safety Phrases :**   **S2** ; Keep out of reach of children  
                          **S25** ; Avoid contact with eyes

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### 16. ADDITIONAL INFORMATION

**Legal Disclaimer** : The above information is believed to be correct but does not purport to be all inclusive & shall only be used as a guide. Permabound.co.uk Ltd shall not be held liable for any damage resulting from handling or from the contact of the above product.

For further information on any of our products please don't hesitate to contact us:  
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