



**Prime Exposure Pty Ltd**

PO Box 5109  
BRANDON PARK  
Vic. 3150

ABN: 74 495 383 883

Phone: (03) 9800 0431

[www.primeexposure.com.au](http://www.primeexposure.com.au)

## Safety Data Sheet

### **PRIME XYLENE**

(UN No. 1307)

#### **Hazardous Substance, Dangerous Goods**

#### **1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION**

Product Name : Prime Xylene  
Recommended Use : Solvent, raw material for use in the chemical industry.  
Supplier : Prime Exposure Pty Ltd  
Street Address : 8-10 Wadhurst Drive  
Boronia  
Vic. 3155  
Emergency Telephone No. : 13 11 26

#### **2. HAZARDS IDENTIFICATION**

This material is hazardous according to health criteria of Safe Work Australia.



#### **Signal Word**

Warning

#### **Hazard Classifications**

Flammable Liquids - Category 3  
Acute Toxicity - Dermal - Category 4  
Acute Toxicity - Inhalation - Category 4  
Aspiration Hazard – Category 1  
Skin Corrosion/Irritation - Category 2  
Serious Eye Damage/Irritation – Category 2A  
Specific Target Organ Toxicity (Single Exposure) - Category 3 Narcotic Effects  
Specific Target Organ Toxicity (Repeat Exposure) – Category 2



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### Hazard Statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.

### Prevention Precautionary Statements

P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating, lighting and all other equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust, fume, gas, mist, vapours or spray.
P264	Wash hands, face and all exposed skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective clothing, gloves, eye/face protection and suitable respirator.

### Response Precautionary Statements

P101	If medical advice is needed, have product container or label at hand.
P201+P310	If SWALLOWED: Immediately call the POISON CENTRE or doctor/physician.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact Lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.

### Storage Precautionary Statements

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

### Disposal Precautionary Statement

P501	Dispose of contents/container in accordance with local, regional, national and international regulations.
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**Poison Schedule:** S6. Poison



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### DANGEROUS GOOD CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

#### Dangerous Goods

Class: 3

### 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Benzene, ethyl-	100-41-4	1-10 % (w/w)
Xylene	1330-20-7	>60 % (w/w)
Ingredients determined to be Non-Hazardous		Balance
		100%

### 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 13 11 26, New Zealand 0800 764 766).

#### Inhalation:

Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

#### Skin Contact:

This material, or a component of the material, can be absorbed through the skin with resultant toxic effects. If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

#### Eye Contact:

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

#### Ingestion:

Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Immediately call Poisons Centre or Doctor.



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### **PPE for First Aiders:**

Wear safety shoes, overalls, gloves, safety glasses, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapor/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from Nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

### **Notes to Physician:**

Treat symptomatically.

## **5. FIRE FIGHTING MEASURES**

**Hazchem Code:** 3Y

### **Suitable Extinguishing Media:**

If material is involved in a fire use alcohol resistant foam, standard foam or dry agent (carbon dioxide, dry chemical powder).

### **Specific Hazards:**

Flammable liquid and vapour. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc.) must be eliminated both in and near the work area. Do NOT smoke.

### **Fire Fighting Further Advice:**

Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Small Spills**

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

### **Large Spills**

If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

**Dangerous Goods Initial Emergency Response Guide No:** 16



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**7. HANDLING AND STORAGE**

**Handling:**

Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols.

**Storage:**

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep containers standing upright. Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Class 3 Flammable Liquid as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

This material is a Scheduled Poison Schedule 6 (Poison) and must be stored, maintained and used in accordance with the relevant regulations.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**National occupational exposure limits:**

	TWA		STEL		NOTICES
	ppm	mg/m3	ppm	mg/m3	
Ethyl benzene	100	434	125	543	-
Xylene	80	350	150	655	-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight -hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight -hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Biological Limit Values:**

As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

**Engineering Measures:**

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.



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### Personal Protection Equipment:

SAFETY SHOES, OVERALLS, GLOVES, SAFETY GLASSES, RESPIRATOR.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear safety shoes, overalls, gloves, safety glasses, and respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

### Hygiene measures:

Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	:	Liquid
<b>Colour</b>	:	Colourless
<b>Odour</b>	:	Aromatic
<b>Solubility</b>	:	0.175 kg/m <sup>3</sup> in water
<b>Density</b>	:	0.87 g/mL @ 15 oC
<b>Relative Vapour Density (air=1)</b>	:	3.7
<b>Vapour Pressure (20 °C)</b>	:	0.8-1.2 kPa @ 20 oC
<b>Flash Point (°C)</b>	:	23-27
<b>Flammability Limits (%)</b>	:	1 - 7.1
<b>Autoignition Temperature (°C)</b>	:	432-530
<b>Melting Point/Range (°C)</b>	:	>-48
<b>Boiling Point/Range (°C)</b>	:	136-145
<b>pH</b>	:	N App
<b>Viscosity</b>	:	<0.9mm <sup>2</sup> /s @ 20 oC
<b>Total VOC (g/Litre)</b>	:	N Av

(Typical values only - consult specification sheet). N Av = Not available, N App = Not applicable

## 10. STABILITY AND REACTIVITY

<b>Chemical stability</b>	:	This material is thermally stable when stored and used as directed.
<b>Conditions to avoid</b>	:	Elevated temperatures and sources of ignition.
<b>Incompatible materials</b>	:	Oxidising agents.
<b>Hazardous decomposition products</b>	:	Oxides of carbon and nitrogen, smoke and other toxic fumes.
<b>Hazardous reactions</b>	:	No known hazardous reactions.



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## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

#### Inhalation:

Harmful if inhaled. Material may be an irritant to mucous membranes and respiratory tract.

#### Skin contact:

Harmful in contact with skin. Can be absorbed through the skin with resultant toxic effects. Contact with skin will result in irritation.

#### Ingestion:

Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. May cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary oedema.

#### Eye contact:

An eye irritant.

### Acute Toxicity

#### Inhalation:

This material has been classified as a Category 4 Hazard. Acute toxicity estimate (based on ingredients):  $10.0 < LC50 \leq 20.0$  mg/L for vapours or  $1.0 < LC50 \leq 5.0$  mg/L for dust and mist.

#### Skin contact:

This material has been classified as a Category 4 Hazard. Acute toxicity estimate (based on ingredients): 1,000 - 2,000 mg/Kg bw

#### Ingestion:

This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

#### Corrosion/Irritancy:

Eye: this material has been classified as a Category 2A Hazard (reversible effects to eyes).

Skin: this material has been classified as a Category 2 Hazard (reversible effects to skin).

#### Sensitisation:

Inhalation: this material has been classified as not a respiratory sensitiser.

Skin: this material has been classified as not a skin sensitiser.

#### Aspiration hazard:

This material has been classified as Aspiration Hazard – Category 1.

#### Specific target organ toxicity (single exposure):

This material has been classified as a Category 3 Hazard. Exposure via inhalation may result in respiratory irritation.



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**Chronic Toxicity**

**Mutagenicity**

This material has been classified as non-hazardous.

**Carcinogenicity**

This material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation)**

This material has been classified as non-hazardous.

**Specific target organ toxicity (repeat exposure)**

This material has been classified as a Category 2 Hazard. Exposure via dermal or inhalation may result in gross lesions and masses.

**12. ECOLOGICAL INFORMATION**

Avoid contaminating waterways.

**Acute aquatic hazard:**

This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

**Long-term aquatic hazard:**

This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log  $K_{ow}$  < 4.

**Ecotoxicity:**

No information available.

**Persistence and degradability:**

No information available.

**Bioaccumulative potential:**

No information available.

**Mobility:**

No information available.

**13. DISPOSAL CONSIDERATIONS**

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "**Section 8. Exposure Controls and Personal Protection**" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.





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## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

**UN No:** 1307  
**Dangerous Goods Class:** 3  
**Packing Group:** III  
**Hazchem Code:** 3Y  
**Emergency Response Guide No:** 16



**Proper Shipping Name:** XYLENE(S)

#### Segregation Dangerous Goods:

Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1), infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.

### MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**UN No:** 1307  
**Dangerous Goods Class:** 3  
**Packing Group:** III



**Proper Shipping Name:** XYLENE(S)

### AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**UN No:** 1307  
**Dangerous Goods Class:** 3  
**Packing Group:** III



**Proper Shipping Name:** XYLENE(S)



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## 15. REGULATORY INFORMATION

**HSNO Group Standard:** Solvents (Flammable) Group Standard 2006: HSR002650

**This material is not subject to the following international agreements:**

Montreal Protocol (Ozone depleting substances)  
The Stockholm Convention (Persistent Organic Pollutants)  
The Rotterdam Convention (Prior Informed Consent)  
Basel Convention (Hazardous Waste)  
International Convention for the Prevention of Pollution from Ships (MARPOL)

**This material/constituent(s) is covered by the following requirements:**

- The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth).
- Component of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).

## 16. IMPORTANT INFORMATION

For specialist advice in emergencies: Australia 1800 022 037; New Zealand 0800 154 666.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Prime Exposure Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

**Prime Exposure SDS WARNING:** Prime Exposure is aware that third parties are distributing documents purporting to be SDSs (or the like) in relation to Prime Exposure products without any authorisation from Prime Exposure (Unauthorised SDS). Prime Exposure accepts no responsibility for the distribution of an Unauthorised SDS by a third party.

All Prime Exposure products must be used in accordance with the corresponding original SDS authorised by Prime Exposure for use with that Prime Exposure product (Authorised SDS). In the event a Prime Exposure product is used without the Authorised SDS and/or with an Unauthorised SDS, Prime Exposure hereby excludes absolutely and to the maximum extent permitted by law all liability whatsoever and howsoever arising for all loss and/or damage including but not limited to for personal injury, sickness and death, damage to real property and chattels and direct and indirect consequential loss and loss of profits.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.