Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Xylene Solvent
Trade Name:	Xylene Solvent
Recommended Use:	Solvent, raw material for chemical
Revision Date:	industry 1 june 2024
Company Name:	Synergy Building Supplies
Address:	236 Planet St Welshpool, WA, Australia 6106
Telephone:	1300655853
Emergency Contact:	1300655853
Other Information:	www.Oxide.com.au

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA
DANGEROUS ACCORDING TO THE DRITERIA OF THE ADG CODE

SYMBOLS:	Xn – Harmful
RISK PHRASES:	R10 – Flammable
	R20/21 – Harmful by inhalation and in contact with skin
	R38 – Irritating to skin
SAFETY PHRASES:	S2 – Keep out of reach of children
	S25 – Avoid contact with eyes

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical	CAS Number	Proportion (w/w)
Xylene	1330-20-7	100%

4. FIRST AID MEASURES

Eyes:	If in eyes, hold eyes open, flood with water for at least 15 minutes. Transport to nearest medical facility for additional treatment.
Ingestion:	If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
Inhalation:	Keep victim calm and remove to fresh air if safe to do so. Obtain medical treatment immediately .
Skin:	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for treatment.
FIRST AID FACILITIES:	Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.
ADVICE TO DOCTOR:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguisher Media: Foam, water spray or fog. Dry chemical powder, carbon dioxide. Do not use water in a jet.

Special Hazards: Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible.

Protective Measures in Fire Wear full protective clothing and self-contained breathing apparatus..

Additional Information: Hazchem code 3Y.

6. ACCIDENTAL RELEASE MEASURES

Observe all local and national regulations

Spills and Disposal: Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Remove all sources of ignition in the surrounding area. Use appropriate containment ot avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

Spill Clean Up Methods: For small spills (<1 drum), transfer by mechanical means to a labeled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose or safely. For larger spills (>1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

7. HANDLING AND STORAGE

Handling & Storage: Avoid breathing of or contact with material. Use in well ventilated areas. Wash thoroughly after handling. Avoid contact with skin and eyes and clothing. Handle open containers in well ventilated area. Ensure that the workplace is ventilated such that the Occupationsl Exposure limit is not exceeded. Do not empty into drains. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not eat, drink or smoke in contaminated areas. Do not store near strong oxidants.

Dispensing: Electrostatic charges may be henerated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment.

Flammability: Highly flammable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: National Occupational Health & Safety Commission (NOHSC) Worksafe Australia has set an exposure standard 350mg/m3 (80ppm) TWA (8hrs), 655mg/m3 (150ppm) STEL

Biological Limit Values: No biological limit allocated.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection:	Wear safety goggles.
Respiratory Protection:	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point >65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
Hand Protection:	Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.
Protective Clothing:	Use chemical resistant glove/gauntlets, boots and apron.
Engineering Controls:	Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless liquid
Odour:	Aromatic – odour threshold 0.27ppm
pH:	N/A
Vapour Pressure (mmHg @ 20°C):	Typical 0.8-1.2 kPa
Vapour Density (air=1):	3.7
Boiling Point (°C):	136-145
Freezing/Melting Point (°C):	-48
Solubility in water:	0.175 kg/m3
Specific Gravity (g/ml@15°C):	0.87
Flashpoint (°C):	26 (abel)
Flammability Limits (%):	1-7.1
Auto Ignition Temperature (°C):	Typical 432-530
Percent Volatiles:	100

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use.
Conditions to Avoid:	Avoid heat, sparks, open flames and other ignition sources.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

Acute:

Inhalation:	Low toxicity – LC50>2000mg/kg, Rat. Inhalation of vapours or mists may cause irritation to the respiratory system. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea: continued inhalation may result in unconsciousness and/or death.
Swallowed:	Expected to be of low toxicity LD50>2000mg, Rat. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Skin Contact:	Irritating to skin.
Eye Contact:	Irritating to eyes.
Chronic:	Central nervous system: repeated exposure affects the nervous system.

Liver: can cause liver damage.
Kidney: can cause kidney damage.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Fish:	Toxic 1<LC/EC/IC50<=10mg/1
	Aquatic Invertebrates:	Toxic 1<LC/EC/IC50<=10mg/1
	Algae:	Toxic 1<LC/EC/IC50<=10mg/1
	Microorganisms:	Data not available

Mobility Floats on water, highly mobile and may contaminate groundwater.
Persistance/degradability: Readily biodegradable. Oxidises by photo-chemical reactions in air.
Bioaccumulation: Does not bioaccumulate significantly.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Ensure waste disposal conforms to local waste disposal regulations.

14. TRANSPORT INFORMATION

Proper Shipping Name:	XYLENES		
UN NO.	1307	**UK Road Pack GR.:**	III
Class No.	3	**Subsiduary Risk:**	None Allocated
Packing Group:	III	**Hazchem Code:**	3Y
Special Precautions:	None	**For User:**	

15. REGULATION INFORMATION

Poisons Schedule: 6
AICS Listed
Dangerous Goods Initial Emergency Response Guide (SA HB76:2004) : 16

16. OTHER INFORMATION

Further Information may be obtained by contacting Synergy Building Supplies

236 Planet St
Welspool WA
Australia
Phone 1300 655 853
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Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and /or situations. It is the users obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Oncrete Australia Pty Ltd shall not be responsible for any damage of injury resulting from abnormal use of this material, from any failure to adhere to recommendations or from any hazards inherent in the nature of the material.

****END OF MSDS****