

Section 1: Identification of the Substance/Mixture and of the Supplier

Product Name:	XYLENE
Proper Shipping Name	XYLENES
Recommended use:	Industrial Chemical/Solvent
Company Details	Marketing Chemicals Ltd
Address:	2 Rymer Place, Mangere Bridge Auckland. New Zealand
Telephone:	+64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]
Fax:	+64 9 634 3864
Emergency Telephone:	+64 274 736008(24 hours) National Poison Centre(24 hours): 0800 POISON [764 766]
Date of preparation	8 November 2014

Section 2: Hazard Identification



DANGER:

- Flammable liquid and vapour
- Harmful if swallowed
- May be harmful if inhaled
- Causes skin irritation
- Causes eye irritation
- Suspected of damaging fertility or the unborn child
- May cause damage to organs through prolonged or repeated exposure
- Toxic to aquatic life
- Harmful to terrestrial vertebrates

HSNO Approval Number: Group Standard HSR000983

HSNO Classes: 3.1C, 6.1D(oral, dermal), 6.1E(inhalation), 6.3A, 6.4A, 6.8B, 6.9B(Oral, Inhalation), 9.1D, 9.3C

Prevention Statements:

- Read label before use.
- Keep away from sparks/open flames/hot surfaces. No smoking
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/ equipment.

- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wear protective gloves/eye protection.
- Keep out of reach of children.
- Wash thoroughly after handling.
- Do not eat, drink, or smoke when using this product.
- Harmful in contact with skin
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Do not breathe fume/gas/mist/vapours/spray.
- Avoid release to the environment

Response Statements

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- In case of fire: Use dry chemical powder, alcohol foam, carbon dioxide for extinction.
- If medical advice is needed, have product container or label at hand.
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- Rinse mouth.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- Wash contaminated clothing before reuse.
- IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- If skin irritation occurs: Get medical advice/ attention.
- Take off contaminated clothing and wash before re-use.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- IF exposed or concerned: Get medical advice/ attention.
- Get medical advice/attention if you feel unwell.

Storage Statements

- Store in a well-ventilated place. Keep cool.
- Store locked up.

Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
Xylene	100	1330-20-7

Section 4: First Aid Measures

Eyes:	Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention immediately; if pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel
Skin:	Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
Ingestion:	If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Avoid giving milk or oils. Avoid giving alcohol. If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.
Inhalation:	If fumes or combustion products are inhaled, remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary

For Further Information Telephone (24 Hours)The National Poison Centre: 0800 Poison [764 766]

Section 5: Fire Fighting Measures

Flash Point:	25°C
Auto ignition Temperature:	495 – 516°C
Flammable Limits in Air % by Volume:	1.1 – 7.7
Extinguishing Media:	Foam, Dry chemical powder, Carbon Dioxide
Fire Fighting Instructions:	Alert Fire Brigade and tell them location and nature of hazard. May be violently or explosively reactive. ear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course.
Unusual Fire and Explosion Hazards:	Liquid and vapour are flammable. Moderate fire hazard when exposed to heat or flame. Vapour forms an explosive mixture with air. Moderate explosion hazard when exposed to heat or flame. Combustion products include carbon monoxide (CO), carbon dioxide (CO ₂), and other pyrolysis products typical of burning organic material.

Section 6: Accidental Release Measures

Stop the leak, if possible. Ventilate the space involved. Contain, vacuum up, place in non-sparking container for disposal. Prevent waterway contamination. Construct a dike to prevent spreading. Collect run-off and transfer to drums or tanks for later disposal.

Section 7: Handling And Storage

Handling & Storage:

Containers, even those that have been emptied, may contain explosive vapours. Do NOT cut, drill, grind, weld or perform similar operations on or near containers. DO NOT allow clothing wet with material to stay in contact with skin. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (≤ 1 m/sec until fill pipe submerged to twice its diameter, then ≤ 7 m/sec). Avoid splash filling. Avoid all personal contact, including inhalation. Wear protective clothing when risk of overexposure occurs. Use in a well-ventilated area.

Section 8: Exposure Controls/Personal Protection**Engineering Controls:**

General (mechanical) room ventilation is considered satisfactory in enclosed spaces.

Eye / Face Protection:

Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye-flushing equipment immediately available.

Body Protection:

PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.

Respiratory Protection:

Avoid breathing vapour or mist. Use NIOSH approved respiratory protection equipment appropriate to the material

Exposure Limits:

TWA: 50ppm(217mg/m³)

Section 9: Physical And Chemical Properties

Appearance	Clear, colourless liquid
Boiling point	138-144°C
Specific Gravity	0.87
Vapour Pressure	0.8-1.2 kPa @20°C
Vapour Density	3.7(air = 1)
Solubility in water	0.175mg/m ³
pH	Not applicable
Evaporation Rate	0.7 (nBuAc = 1)
Flash point (closed cup)	25°C

Section 10: Stability And Reactivity**Stability of the Substance:**

Stable under normal conditions

Conditions to avoid:

Sources of heat and ignition, open flames

Materials to avoid:

Strong oxidising agents

Hazardous Decomposition Products:

Explosive hydrogen gas can be liberated on contact with metals, such as zinc, tin or aluminium. Hydrogen gas can result in explosive hazards in confined spaces.

Conditions Contributing to Hazardous Polymerization

Not known

Section 11: Toxicological Information

Eyes: SPECIES: Rabbit
RESULT: The test substance was applied at 0.1 ml to the conjunctival sac of one eye of each of 6 rabbits (sex not reported) Mild iritis was observed in most eyes at 1 hour; slight corneal opacity was observed in 2 eyes at 24 hours, and 1 eye at 48 hours. Moderate conjunctival irritation was present in most eyes at 1 and 24 hours, but was slight at 48 and 72 hours. All eyes were normal by 7 days.

Skin: Irritating to skin

Ingestion: SPECIES: Mouse ;ENDPOINT: LD50 ;VALUE: 1590 mg/kg
EndPoint:
Primary Organ: Neurotoxicity (nervous system)
The major target organ is the nervous system. At lower levels, around and somewhat above the TLV, reversible neurobehavioural effects are the first to be observed. These can be of concern as some, e.g. impaired balance and reaction time, may confer a greater risk of work-related injury [INCHEM]

Inhalation: Inhalation Form: vapour
SPECIES: Rat ;ENDPOINT: LC50 ;VALUE: 6350 ppm
EndPoint:
Primary Organ: Inhalation of xylenes at concn of 435-1300 mg/cu m for 15 min to 6 hr/day for 4 days results in CNS disturbances including changes in numerative ability, reaction time, short-term memory and electroencephalograph

Section 12: Ecological Information

9.1D SPECIES: Palaemonetes pugio (Crustacea) ;TYPE OF EXPOSURE:
(crustacean) DURATION: 48 hr ;ENDPOINT: LC50 ;VALUE: 8500ug/l (= 8.5mg/l)
Bio accumulation : no
Rapidly degradable :yes

Section 13: Disposal Considerations

Containers may still present a chemical hazard/ danger when empty. Return to supplier for reuse/ recycling if possible.
Otherwise: If container cannot be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.

Section 14: Transport Information



UN No: 1307
Proper Shipping Name: Xylenes

Dangerous Goods Class: 3
Subsidiary risk
Packing Group: II
Hazchem Code: 3Y

Section 15: Regulatory Information

HSNO Approval No: HSR000983
Group Standard: Xylene
HSNO Classes: 3.1C, 6.1D(oral, dermal), 6.1E(inhalation), 6.3A, 6.4A, 6.8B, 6.9B(Oral, Inhalation), 9.1D, 9.3C

Section 16: Other Information

New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]
New Zealand Emergency Services: 111

For General Information: John Crombie, Manager, Marketing Chemicals Ltd,
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End of Safety Data Sheet