



# SAFETY DATA SHEET XYLENE REVISION 4, DATE 04 NOV 21

## 1. IDENTIFICATION

<b>Product Name</b>	<b>Xylene</b>
<b>Other Names</b>	Dimethylbenzene; Xylol
<b>Uses</b>	Solvent; raw material for use in the chemical industry.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	C <sub>8</sub> H <sub>10</sub>
<b>Chemical Name</b>	Benzene, dimethyl-
<b>Product Description</b>	No Data Available

### Contact Details of the Supplier of this Safety Data Sheet

<b>Organisation</b>	<b>Location</b>	<b>Telephone</b>
Redox Ltd	2 Swettenham Road Minto NSW 2566 Australia	+61-2-97333000
Redox Ltd	11 Mayo Road Wiri Auckland 2104 New Zealand	+64-9-2506222
Redox Inc.	3960 Paramount Boulevard Suite 107 Lakewood CA 90712 USA	+1-424-675-3200
Redox Chemicals Sdn Bhd	Level 2, No. 8, Jalan Sapir 33/7 Seksyen 33, Shah Alam Premier Industrial Park 40400 Shah Alam Sengalor, Malaysia	+60-3-5614-2111

### Emergency Contact Details

*For emergencies only; DO NOT contact these companies for general product advice.*

<b>Organisation</b>	<b>Location</b>	<b>Telephone</b>
Poisons Information Centre	Westmead NSW	1800-251525 131126
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766
CHEMTREC	USA & Canada	1-800-424-9300 CN723420 +1-703-527-3887

## 2. HAZARD IDENTIFICATION

### Poisons Schedule (Aust)

Schedule 6



## Globally Harmonised System

**Hazard Classification** Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

**Hazard Categories**

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

**Pictograms**

**Signal Word** Danger

**Hazard Statements**

**H226** Flammable liquid and vapour.  
**H304** May be fatal if swallowed and enters airways.  
**H312 + H332** Harmful in contact with skin or if inhaled.  
**H315** Causes skin irritation.  
**H319** Causes serious eye irritation.  
**H335** May cause respiratory irritation.  
**H373** May cause damage to organs through prolonged or repeated exposure.  
**AUH066** Repeated exposure may cause skin dryness or cracking

<b>Precautionary Statements</b>	Prevention	<b>P210</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
		<b>P260</b>	Do not breathe mist/vapour/spray.
		<b>P280</b>	Wear protective gloves/protective clothing/eye protection/face protection.
		<b>P240</b>	Ground and bond container and receiving equipment.
		<b>P241</b>	Use explosion-proof electrical/ventilating/lighting and all other equipment.
		<b>P242</b>	Use non-sparking tools.
		<b>P243</b>	Take action to prevent static discharges.
		<b>P235</b>	Keep cool.
	Response	<b>P271</b>	Use only outdoors or in a well-ventilated area.
		<b>P370 + P378</b>	In case of fire: Use carbon dioxide (CO2), dry chemical, regular foam extinguishing agent or water spray for extinction.
		<b>P301 + P310</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
		<b>P331</b>	Do NOT induce vomiting.
		<b>P312</b>	Call a POISON CENTER or doctor if you feel unwell.
		<b>P303 + P361 + P353</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
		<b>P363</b>	Wash contaminated clothing before reuse.
		<b>P304 + P340</b>	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
		<b>P332 + P313</b>	If skin irritation occurs: Get medical attention.

	<b>P305 + P351 + P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	<b>P337 + P313</b>	If eye irritation persists: Get medical attention.
Storage	<b>P403 + P233</b>	Store in a well-ventilated place. Keep container tightly closed.
	<b>P405</b>	Store locked up.
Disposal	<b>P501</b>	Dispose of contents/container in accordance with local / regional / national / international regulations.

**National Transport Commission (Australia)**

Australian Code for the Transport of Dangerous Goods by Road &amp; Rail (ADG Code)

**Dangerous Goods Classification**

Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road &amp; Rail (ADG Code)

**Environmental Protection Authority (New Zealand)**

Hazardous Substances and New Organisms Amendment Act 2015

<b>HSNO Classifications</b>	Physical Hazards	<b>3.1C</b>	Flammable liquid - medium hazard
	Health Hazards	<b>6.1D</b>	Substances that are acutely toxic - Harmful
		<b>6.3A</b>	Substances that are irritating to the skin
		<b>6.4A</b>	Substances that are irritating to the eye
		<b>6.8B</b>	Substances that are suspected human reproductive or developmental toxicants
		<b>6.9B</b>	Substances that are harmful to human target organs or systems

**3. COMPOSITION/INFORMATION ON INGREDIENTS***Ingredients*

Chemical Entity	Formula	CAS Number	Proportion
Xylene	C <sub>8</sub> H <sub>10</sub>	1330-20-7	100 %
Contains: Ethylbenzene	C <sub>8</sub> H <sub>10</sub>	100-41-4	10 - 20 %

**4. FIRST AID MEASURES***Description of necessary measures according to routes of exposure*

<b>Swallowed</b>	IF SWALLOWED: Rinse mouth with water, then give a glass of water to drink. Do NOT induce vomiting. Immediately call a Poison Centre or doctor/physician for advice. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain an open airway and prevent aspiration. Never give anything by mouth to an unconscious person.
<b>Eye</b>	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. Get medical advice/attention.
<b>Skin</b>	IF ON SKIN (or hair): Remove and isolate contaminated clothing and shoes. Immediately flush skin and hair with running water (and soap, if available) for at least 15 minutes. For gross contamination, rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Call a Poison Centre or doctor/physician for advice. Wash contaminated clothing and shoes before reuse. *In case of burns, immediately cool affected skin for as long as possible with cold water; cover with a clean, dry dressing

Inhaled	until medical help is available. If blistering occurs, do NOT break blisters. Do not remove clothing if adhering to skin. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove contaminated clothing and loosen remaining clothing. Call a Poison Centre or doctor/physician for advice. Give artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.
Advice to Doctor	Get medical advice/attention if you feel unwell. Treat symptomatically. Keep victim calm and warm. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Medical Conditions Aggravated by Exposure	No information available.

## 5. FIRE FIGHTING MEASURES

General Measures	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. ALWAYS stay away from tanks engulfed in fire. Large fire: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.
Flammability Conditions	FLAMMABLE LIQUID & VAPOUR: Will be easily ignited by heat, sparks or flames.
Extinguishing Media	Use dry chemical, Carbon dioxide (CO <sub>2</sub> ), foam or water spray for extinction - Do not use straight streams. *CAUTION: This product has a very low flash point: Use of water spray when fighting fire may be inefficient.
Fire and Explosion Hazard	Risk of violent reaction or explosion! Vapours may form explosive mixtures with air. Vapours may travel to source of ignition and flash back. Most vapours are heavier than air. They will spread along ground and collect in low or confined areas. Vapour explosion hazard indoors, outdoors or in sewers. Heating can cause expansion or decomposition leading to violent rupture of containers. Many liquids are lighter than water. Vapours may cause dizziness or suffocation!
Hazardous Products of Combustion	Fire will produce irritating and/or toxic gases, including oxides of carbon and nitrogen, smoke and other toxic fumes.
Special Fire Fighting Instructions	Contain runoff from fire control or dilution water - Runoff may cause pollution. Runoff to sewer may create fire or explosion hazard!
Personal Protective Equipment	Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
Flash Point	27 °C [Abel] (typical)
Lower Explosion Limit	1 %
Upper Explosion Limit	7.1 %
Auto Ignition Temperature	432 - 530 °C
Hazchem Code	3Y

## 6. ACCIDENTAL RELEASE MEASURES

General Response Procedure	Ensure adequate ventilation - Ventilate enclosed spaces before entering. ELIMINATE all ignition sources. All equipment used when handling the product must be earthed. Do not touch or walk through spilled material - Slippery when spilt. Avoid accidents, clean up immediately! Do not breathe vapours and avoid contact with eyes, skin and clothing.
Clean Up Procedures	Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for disposal (see SECTION 13). *Use clean, non-sparking tools to collect absorbed material.
Containment	Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Dike far ahead of large spill for later disposal. *A vapour-suppressing foam may be used to reduce vapours. Water spray may reduce vapour, but may not prevent ignition in closed spaces.
Decontamination	No information available.

<b>Environmental Precautionary Measures</b>	Spillages and decontamination runoff should be prevented from entering drains and watercourses. If contamination of crops, sewers or waterways has occurred advise local emergency services.
<b>Evacuation Criteria</b>	Spill or leak area should be isolated immediately. Clear area of all unprotected personnel. Keep unauthorised personnel away. Keep upwind and to higher ground. *Large spill: Immediately contact Police or Fire Brigade; Consider initial downwind evacuation of areas within at least 300 m.
<b>Personal Precautionary Measures</b>	Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours (see SECTION 8).

## 7. HANDLING AND STORAGE

<b>Handling</b>	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation - Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice. Do not breathe mist/vapours/aerosols and avoid contact with eyes, skin and clothing. Do not ingest. Wear protective gloves/protective clothing/eye protection/face protection (see SECTION 8). <b>FLAMMABLE LIQUID &amp; VAPOUR:</b> Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges.
<b>Storage</b>	Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container standing upright and tightly closed when not in use - Check regularly for leaks. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Keep away from food/feedstuffs and incompatible materials (see SECTION 10). Store locked up.
<b>Container</b>	Keep in the original container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	For Xylene (o-, m-, p- isomers): - Safe Work Australia Exposure Standard: TWA = 80 ppm (350 mg/m <sup>3</sup> ); STEL = 150 ppm (655 mg/m <sup>3</sup> ). - New Zealand Workplace Exposure Standard: TWA = 50 ppm (217 mg/m <sup>3</sup> ). - NIOSH REL: TWA = 100 ppm (435 mg/m <sup>3</sup> ); ST = 150 ppm (655 mg/m <sup>3</sup> ). - OSHA PEL: TWA = 100 ppm (435 mg/m <sup>3</sup> ). - Immediately dangerous to life or health (IDLH) concentration: 900 ppm COMPONENT: Ethylbenzene (CAS No. 100-41-4): - Safe Work Australia Exposure Standard: TWA = 100 ppm (434 mg/m <sup>3</sup> ); STEL = 125 ppm (543 mg/m <sup>3</sup> ). - New Zealand Workplace Exposure Standard [Adopted 2022]: TWA = 20 ppm (88 mg/m <sup>3</sup> ); STEL = 40 ppm (176 mg/m <sup>3</sup> ); Skin absorption (skin); Ototoxin (oto). - NIOSH REL: TWA = 100 ppm (435 mg/m <sup>3</sup> ); ST = 125 ppm (545 mg/m <sup>3</sup> ). - OSHA PEL: TWA = 100 ppm (435 mg/m <sup>3</sup> ). - Immediately dangerous to life or health (IDLH): 800 ppm
<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available.
<b>Engineering Measures</b>	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
<b>Personal Protection Equipment</b>	- Respiratory protection: Use with local exhaust ventilation or while wearing appropriate respirator. Recommended: Organic vapour/particulate respirator (refer to AS/NZS 1715 & 1716). - Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses or goggles. - Hand protection: Wear protective gloves. Recommended: Appropriate chemical-resistant gloves. - Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Appropriate chemical-resistant clothing.
<b>Special Hazards Precautions</b>	No information available.
<b>Work Hygienic Practices</b>	Do not eat, drink or smoke when using this product. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Liquid
Odour	Aromatic
Colour	Colourless
pH	No Data Available
Vapour Pressure	4.5 kPa (typical) (@ 50 °C)
Relative Vapour Density	3.7 Air = 1
Boiling Point	138 - 141 °C (typical)
Melting Point	No Data Available
Freezing Point	No Data Available
Solubility	Insoluble in water (0.175 kg/m3)
Specific Gravity	0.871
Flash Point	27 °C [Abel] (typical)
Auto Ignition Temp	432 - 530 °C
Evaporation Rate	0.76 (n-Butyl acetate = 1)
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	870 kg/m3 (typical) [ASTM D-1298]
Specific Heat	No Data Available
Molecular Weight	106 g/mol
Net Propellant Weight	No Data Available
Octanol Water Coefficient	3.12 - 3.2 (log Pow)
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	Surface Tension: 28.7 mN/m (20°C) [ASTM D-971] (typical).
Potential for Dust Explosion	Not applicable.
Fast or Intensely Burning Characteristics	Risk of violent reaction or explosion!
Flame Propagation or Burning Rate of Solid Materials	No information available.
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No information available.
Properties That May Initiate or Contribute to Fire Intensity	FLAMMABLE LIQUID & VAPOUR: Will be easily ignited by heat, sparks or flames.
Reactions That Release Gases or Vapours	Fire/decomposition will produce irritating and/or toxic gases, including oxides of carbon and nitrogen, smoke and other toxic fumes.
Release of Invisible Flammable Vapours and Gases	Vapours may form explosive mixtures with air.

**10. STABILITY AND REACTIVITY**

<b>General Information</b>	No known hazardous reactions.
<b>Chemical Stability</b>	This material is thermally stable when stored and used as directed.
<b>Conditions to Avoid</b>	Avoid elevated temperatures and sources of ignition.
<b>Materials to Avoid</b>	Incompatible/reactive with oxidising agents.
<b>Hazardous Decomposition Products</b>	Fire/decomposition will produce irritating and/or toxic gases, including oxides of carbon and nitrogen, smoke and other toxic fumes.
<b>Hazardous Polymerisation</b>	Hazardous polymerisation will not occur.

**11. TOXICOLOGICAL INFORMATION**

<b>General Information</b>	<ul style="list-style-type: none"> <li>- Acute toxicity: Harmful in contact with skin and if inhaled. May cause dizziness, drowsiness, headache, nausea, central nervous system depression. Death may occur following exposure to very high concentrations. Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract (aspiration hazard).</li> <li>- Skin corrosion/irritation: Causes skin irritation. The substance defats the skin; Repeated exposure may cause skin dryness or cracking.</li> <li>- Eye damage/irritation: May cause eye irritation, redness, pain.</li> <li>- Respiratory/skin sensitisation: Xylenes are not considered to be sensitisers.</li> <li>- Germ cell mutagenicity: Xylenes are not considered genotoxic.</li> <li>- Carcinogenicity: Xylenes (CAS No. 1330-20-7) are classified by the IARC Monographs as "Not classifiable as to its carcinogenicity to humans" (Group 3). COMPONENT: Ethylbenzene (CAS No. 100-41-4) is classified by the IARC Monographs as "Possibly carcinogenic to humans" (Group 2B).</li> <li>- Reproductive toxicity: Animal tests show that this substance possibly causes toxicity to human reproduction or development.</li> <li>- STOT (single exposure): May cause respiratory irritation; Minor neurotoxic effects, including dizziness and impairment in reaction time.</li> <li>- STOT (repeated exposure): May cause damage to organs (central nervous system, neurobehavioural effects, mild effects in the liver) through prolonged or repeated exposure.</li> <li>- Aspiration toxicity: May be fatal if swallowed and enters airways. If this liquid is swallowed, aspiration into the lungs may result in chemical pneumonitis.</li> </ul>
<b>Acute</b>	
<b>Ingestion</b>	Acute toxicity (Oral): - LD50, Rat: >2,000 mg/kg bw. [NICNAS].
<b>Other</b>	Acute toxicity (Dermal): - Acute toxicity estimate (ATE): 1,000 - 2,000 mg/kg (based on ingredients) [Supplier's SDS].
<b>Inhalation</b>	Acute toxicity (Inhalation): - Acute toxicity estimate (ATE): 10 - 20 mg/L (based on ingredients) [Supplier's SDS].
<b>Carcinogen Category</b>	None

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	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 Kow < 4.
<b>Persistence/Degradability</b>	Xylene isomers are readily biodegradable.
<b>Mobility</b>	No information available.
<b>Environmental Fate</b>	Avoid contaminating waterways.

Bioaccumulation Potential	No information available.
Environmental Impact	No Data Available

### 13. DISPOSAL CONSIDERATIONS

General Information	If possible material and its container should be recycled. If material or container cannot be recycled, dispose of in accordance with local/regional/national regulations.
Special Precautions for Land Fill	Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used (see SECTION 8).

### 14. TRANSPORT INFORMATION

#### Land Transport (Australia)

ADG Code

Proper Shipping Name	XYLENES
Class	3 Flammable Liquids
Subsidiary Risk(s)	No Data Available
EPG	16 Liquids - Highly Flammable, Toxic
UN Number	1307
Hazchem	3Y
Pack Group	III
Special Provision	No Data Available

#### Land Transport (Malaysia)

ADR Code

Proper Shipping Name	XYLENES
Class	3 Flammable Liquids
Subsidiary Risk(s)	No Data Available
EPG	16 Liquids - Highly Flammable, Toxic
UN Number	1307
Hazchem	3Y
Pack Group	III
Special Provision	No Data Available

#### Land Transport (New Zealand)

NZS5433

Proper Shipping Name	XYLENES
Class	3 Flammable Liquids
Subsidiary Risk(s)	No Data Available
EPG	16 Liquids - Highly Flammable, Toxic
UN Number	1307
Hazchem	3Y
Pack Group	III



Special Provision No Data Available

Land Transport (United States of America)  
US DOT

Proper Shipping Name XYLENES  
Class 3 Flammable Liquids  
Subsidiary Risk(s) No Data Available  
ERG 130 Flammable Liquids (Non-Polar / Water-Immiscible / Noxious)  
UN Number 1307  
Hazchem 3Y  
Pack Group III  
Special Provision No Data Available

Sea Transport  
IMDG Code

Proper Shipping Name XYLENES  
Class 3 Flammable Liquids  
Subsidiary Risk(s) No Data Available  
UN Number 1307  
Hazchem 3Y  
Pack Group III  
Special Provision No Data Available  
EMS F-E, S-D  
Marine Pollutant No

Air Transport  
IATA DGR

Proper Shipping Name XYLENES  
Class 3 Flammable Liquids  
Subsidiary Risk(s) No Data Available  
UN Number 1307  
Hazchem 3Y  
Pack Group III  
Special Provision No Data Available

National Transport Commission (Australia)  
Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

15. REGULATORY INFORMATION

General Information No Data Available  
Poisons Schedule (Aust) Schedule 6

**Environmental Protection Authority (New Zealand)**

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code	HSR000983 (Reissued)
---------------	----------------------

**National/Regional Inventories**

Australia (AIIIC)	Listed
Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	Not Determined
Europe (REACH)	Not Determined
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (EHS Register)	Not Determined
New Zealand (NZIoC)	Listed
Philippines (PICCS)	Not Determined
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Not Determined
USA (TSCA)	Not Determined

**16. OTHER INFORMATION**

Related Product Codes	XYLENB1000, XYLENB1001, XYLENB1002, XYLENB1003, XYLENE0500, XYLENE0600, XYLENE0800, XYLENE1000, XYLENE1001, XYLENE1002, XYLENE1003, XYLENE1004, XYLENE1005, XYLENE1006, XYLENE1007, XYLENE1008, XYLENE1009, XYLENE1010, XYLENE1011, XYLENE1012, XYLENE1013, XYLENE1014, XYLENE1015, XYLENE1016, XYLENE1017, XYLENE1018, XYLENE1019, XYLENE1020, XYLENE1021, XYLENE1022, XYLENE1023, XYLENE1030, XYLENE1050, XYLENE1055, XYLENE1500, XYLENE1501, XYLENE2000, XYLENE2001, XYLENE2200, XYLENE2300, XYLENE2400, XYLENE2401, XYLENE2500, XYLENE2900, XYLENE3000, XYLENE3001, XYLENE3002, XYLENE3010, XYLENE3015, XYLENE3020, XYLENE3021, XYLENE3030, XYLENE3040, XYLENE3050, XYLENE3051, XYLENE3060, XYLENE3061, XYLENE3062, XYLENE3063, XYLENE3070, XYLENE3080, XYLENE3081, XYLENE3082, XYLENE3090, XYLENE3091, XYLENE3100, XYLENE3110, XYLENE3120, XYLENE3121, XYLENE3122, XYLENE3123, XYLENE3125, XYLENE3130, XYLENE3300, XYLENE3301, XYLENE3500, XYLENE3600, XYLENE4000, XYLENE4001, XYLENE5000, XYLENE5001, XYLENE5500, XYLENE5501, XYLENE5502, XYLENE5600, XYLENE6000, XYLENE6100, XYLENE6105, XYLENE6500, XYLENE7000, XYLENE7100, XYLENE7500, XYLENE8000, XYLENE8001, XYLENE8500, XYLENE8600, XYLENE8700, XYLENE8800, XYLENE8888, XYLENE9000, XYLENE9001, XYLENE9002
Revision	4
Revision Date	04 Nov 2021
	< Less Than
	> Greater Than

## Key/Legend

**AICS** Australian Inventory of Chemical Substances  
**atm** Atmosphere  
**CAS** Chemical Abstracts Service (Registry Number)  
**cm<sup>2</sup>** Square Centimetres  
**CO<sub>2</sub>** Carbon Dioxide  
**COD** Chemical Oxygen Demand  
**deg C (°C)** Degrees Celcius  
**EPA (New Zealand)** Environmental Protection Authority of New Zealand  
**deg F (°F)** Degrees Farenheit  
**g** Grams  
**g/cm<sup>3</sup>** Grams per Cubic Centimetre  
**g/l** Grams per Litre  
**HSNO** Hazardous Substance and New Organism  
**IDLH** Immediately Dangerous to Life and Health  
**immiscible** Liquids are insoluable in each other.  
**inHg** Inch of Mercury  
**inH<sub>2</sub>O** Inch of Water  
**K** Kelvin  
**kg** Kilogram  
**kg/m<sup>3</sup>** Kilograms per Cubic Metre  
**lb** Pound  
**LC<sub>50</sub>** LC stands for lethal concentration. LC<sub>50</sub> is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.  
**LD<sub>50</sub>** LD stands for Lethal Dose. LD<sub>50</sub> is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.  
**ltr or L** Litre  
**m<sup>3</sup>** Cubic Metre  
**mbar** Millibar  
**mg** Milligram  
**mg/24H** Milligrams per 24 Hours  
**mg/kg** Milligrams per Kilogram  
**mg/m<sup>3</sup>** Milligrams per Cubic Metre  
**Misc or Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.  
**mm** Millimetre  
**mmH<sub>2</sub>O** Millimetres of Water  
**mPa.s** Millipascals per Second  
**N/A** Not Applicable  
**NIOSH** National Institute for Occupational Safety and Health  
**NOHSC** National Occupational Heath and Safety Commission  
**OECD** Organisation for Economic Co-operation and Development  
**Oz** Ounce  
**PEL** Permissible Exposure Limit  
**Pa** Pascal  
**ppb** Parts per Billion  
**ppm** Parts per Million  
**ppm/2h** Parts per Million per 2 Hours  
**ppm/6h** Parts per Million per 6 Hours  
**psi** Pounds per Square Inch  
**R** Rankine  
**RCP** Reciprocal Calculation Procedure  
**STEL** Short Term Exposure Limit  
**TLV** Threshold Limit Value  
**tne** Tonne  
**TWA** Time Weighted Average  
**ug/24H** Micrograms per 24 Hours  
**UN** United Nations  
**wt** Weight