

Infosafe No™ LPW7E Issue Date : February 2012 ISSUED by PARCHEMC

Product Name : LUSTRESEAL POLYURETHANE M20

Classified as hazardous

1. Identification

GHS Product Identifier LUSTRESEAL POLYURETHANE M20

Company Name Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)

Address 7 Lucca Road Wyong
NSW 2259 Australia

Telephone/Fax Number Tel: 02 4350 5000
Fax: 02 4351 2024

Emergency phone number 1800 638 556 (available 24/7)

Recommended use of the chemical and restrictions on use Concrete sealer

Other Information This MSDS 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 Parchem Construction Supplies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

www.parchem.com.au

2. Hazard Identification

GHS classification of the substance/mixture Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
Flammable liquid, Category 3
Acute toxicity - Inhalation, Category 4
Acute toxicity - Dermal, Category 4
Skin Corrosion/irritation, Category 2
Skin Sensitiser, Category 1
Respiratory Sensitiser, Category 1

Signal Word (s) Danger

Hazard Statement (s) H226 Flammable liquid and vapour.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H332 Harmful if inhaled
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Pictogram (s) Flame, Health hazard, Exclamation mark,



Precautionary statement – Prevention P102 Keep out of reach of children.
P103 Read label before use.
P104 Read Safety Data Sheet before use.
P210 Keep away from heat/sparks/open flames/hot surfaces
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.

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Precautionary statement – Response

P241 Use explosion-proof electrical/ventilating/lighting/equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 Wash skin thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P285 In case of inadequate ventilation wear respiratory protection.
 P101 If medical advice is needed, have product container or label at hand.
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 P370+P378 In case of fire: use dry chemical powder, carbon dioxide or foam.
 INGESTION
 P331 Do NOT induce vomiting.
 SKIN
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before re-use.
 INHALATION
 P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
 P304+P341 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
 P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
 P403+P235 Store in a well-ventilated place. Keep cool.

Precautionary statement – Storage

Precautionary statement – Disposal

P501 Dispose of contents/container to an approved waste disposal plant

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Xylene	1330-20-7	30-60 %
	2-methoxy-1-methylethyl acetate	108-65-6	10-<20 %
	Methylenebis(4-cyclohexyl Isocyanate)	5124-30-1	0-<1 %
	Ingredients determined not to be hazardous.		Balance

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion	If swallowed, do NOT induce vomiting. Wash out mouth with water. Seek medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. Seek medical attention.
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.
First Aid Facilities	Eye wash, safety shower and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice, contact a Poisons Information Centre (Phone eg Australia 131 126; New Zealand 0800 764 766) or a doctor (at once).

5. Fire-fighting measures

Suitable extinguishing media	Use dry chemical powder, carbon dioxide or foam.
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Unsuitable Extinguishing Media DO NOT USE water jets.

Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide, carbon dioxide, isocyanates and oxides of nitrogen.

Specific hazards arising from the chemical This product is flammable. Keep storage tanks, pipelines, fire-exposed surfaces etc cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.

Hazchem Code •3Y

Precautions in connection with Fire Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

6. Accidental release measures

Emergency Procedures Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Spillage is slippery. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling Open containers cautiously as contents may be under pressure. Use only in a well ventilated area. DO NOT store or use in confined spaces. Keep tank covered and containers sealed when not in use. Build up of mists or vapours in the atmosphere must be prevented. Avoid inhalation of sprays, vapour and mists. Do not use near welding or other ignition sources and avoid sparks. Do NOT pressurise, cut, heat or weld containers as they may contain hazardous residues. Do not smoke. Wear appropriate protection. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for safe storage, including any incompatibilities Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Always keep in containers made of the same material as the supply container. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all State and Federal regulations.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure value assigned for this specific material by Safework, Australia. However, the available exposure limits for ingredients are listed below:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Isocyanates, all (as NCO)	-	0.02	-	0.07	Sen
Xylene	80	350	150	655	-
2-Methoxy-1-methylethyl acetate	50	274	100	548	Sk

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

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Biological Limit Values	<p>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.</p> <p>'Sen' Notice: The substance may cause sensitisation by skin contact or by inhalation.</p> <p>'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.</p> <p>Biological Exposure Indice BEI from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows</p> <p>Name: Xylenes</p> <p>Determinant: Methylhippuric acids</p> <p>Specimen: Creatinine in urine.</p> <p>Value: 1.5 g/g</p> <p>Sampling time: end of shift.</p>
Appropriate engineering controls	<p>Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1:2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.</p>
Respiratory Protection	<p>If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.</p>
Eye Protection	<p>Safety glasses with side shields or face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances ie. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.</p>
Hand Protection	<p>Impervious gloves recommended. Final choice of appropriate gloves will vary according to individual circumstances ie. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.</p>
Body Protection	<p>Suitable workwear should be worn to protect personal clothing, eg cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.</p>

9. Physical and chemical properties

Appearance	Clear amber liquid
Odour	Aromatic hydrocarbon odour
Melting Point	Not available
Boiling Point	137 - 143°C (xylene)
Solubility in Water	Insoluble
Solubility in Organic Solvents	Soluble in most organic solvents
Specific Gravity	0.98
pH	Not applicable
Vapour Pressure	5.2 kPa @38°C (xylene)
Vapour Density (Air=1)	3.7 (xylene)
Evaporation Rate	0.7 (xylene)
Odour Threshold	Not available
Viscosity	Not available

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Partition Coefficient: Not available
n-octanol/water
Flash Point 29°C (Pensky Martens Closed Cup)
Flammability Flammable
Auto-Ignition Temperature Not available
Flammable Limits - Lower 1.1% (xylene)
Flammable Limits - Upper 7.7% (xylene)

10. Stability and reactivity

Chemical Stability Stable under normal conditions.
Conditions to Avoid Heat, flames and other ignition sources.
Incompatible Materials Halogens, molten sulfur, strong oxidising agents, water.
Hazardous Decomposition Products Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon monoxide, carbon dioxide, isocyanates and oxides of nitrogen.
Hazardous Polymerization Will not occur.

11. Toxicological Information

Toxicology Information No toxicology data available for this product.
Inhalation Harmful by inhalation. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system.
Ingestion Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin Harmful in contact with skin. Irritating to skin resulting in redness and itching. Prolonged or repeated skin contact may cause dermatitis due to defatting effect.
Eye May cause irritation in contact with eyes. Symptoms may include redness, excessive tearing, stinging and swelling.
Reproductive Toxicity Not considered to be toxic to reproduction.
Carcinogenicity Not considered to be a carcinogenic hazard.
Skin Sensitisation May cause an allergic skin reaction.
Aspiration Hazard Not expected to be an aspiration hazard. However breathing in vomit may lead to aspiration pneumonia.
STOT-single exposure Not expected to cause damage to organs.
STOT-repeated exposure Not expected to cause damage to organs.
Germ cell mutagenicity Not considered to be a mutagenic hazard.
Respiratory sensitisation May cause allergy or asthma symptoms or breathing difficulties if inhaled.

12. Ecological information

Ecotoxicity No data available for this specific material.
Persistence and degradability Not available
Mobility 2-Methoxy-1-methylethyl acetate:
Ultimate destination of the product: Water
Xylene:
Ultimate destination of the product: Air

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Bioaccumulative Potential	2-Methoxy-1-methylethyl acetate: Not potentially bioaccumulable. (Unpublished reports) Xylene: Not bioaccumulable. (Published data)
Environmental Protection	Prevent this material entering waterways, drains and sewers.
Acute Toxicity - Fish	2-Methoxy-1-methylethyl acetate: LC50 (Pimephales promelas)/96h: >100 mg/l (Unpublished reports) Xylene: LC50 (Pimephales promelas)/96h: 13.4 mg/l (Published reports)

13. Disposal considerations

Disposal Considerations	Disposal of spilled or waste material must be carried out in accordance with the relevant local and national government regulations. Advise flammable nature. Empty containers may contain flammable residues. Do not puncture, cut or weld empty containers.
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14. Transport information

Transport Information	<p>Road and Rail Transport: This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition) Class 3 - Flammable Liquids are incompatible in a placard load with any of the following: - Class 1, Explosives - Division 2.1, Flammable Gases, (Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L.) - Division 2.3, Toxic Gases - Division 4.2 Spontaneously Combustible Substances - Division 5.1 Oxidising Agents and Division 5.2, Organic Peroxides - Class 6 Toxic or Infectious Substances (where the flammable liquid is nitromethane) - Class 7 Radioactive Substances.</p> <p>Marine Transport (IMO/IMDG): Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. UN No.: 1866 Proper Shipping Name: RESIN SOLUTION Class: 3 Packaging Group: III EMS No.: F-E, S-E</p> <p>Air Transport (ICAO/IATA): Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. UN No.: 1866 Proper Shipping Name: Resin solution Class: 3 Packaging Group: III Label: Flammable Liquid Packaging Instructions (passenger & cargo): 355 Packaging Instructions (cargo only): 366</p>
U.N. Number	1866
UN proper shipping name	RESIN SOLUTION
Transport hazard class(es)	3
Hazchem Code	•3Y
Packing Group	III
EPG Number	3A1

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IERG Number 14

IMDG Marine pollutant No

15. Regulatory information

Regulatory Information Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia
Poisons Schedule Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
S6

16. Other Information

Date of preparation or last revision of SDS SDS Reviewed: February 2012, Supersedes: March 2007

Contact Person/Point Technical Support: 1800 812 864
...End Of MSDS...

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