

Infosafe No™ LPY7Q

Issue Date : January 2011

ISSUED by PARCHEMD

Product Name **EMER-SEAL PU**

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name EMER-SEAL PU

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

Address 7 Lucca Road Wyong
NSW 2259 Australia

Emergency Tel. Australia 1800 638 556 and New Zealand 0800 154 666 (both available 24/7)

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

Recommended Use Polyurethane based elastomeric sealant.

Other Information Distributed in New Zealand by:
Concrete Plus
23 Watts Road
Sockburn
New Zealand
Tel: (03) 343 0090
Fax: (03) 343 0202

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.

Australia: www.parchem.com.au
New Zealand: www.parchem.co.nz

2. HAZARDS IDENTIFICATION

Hazard Classification Not classified as hazardous according to criteria of NOHSC

Australia:
Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition).

New Zealand:
Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

HSNO Classification:
6.3A - Substance that is irritating to the skin.
6.4A - Substance that is irritating to the eyes.
6.7B - Substance that is a suspected human carcinogen.
6.8B - Substance that is a suspected human reproductive or developmental toxicant.
6.9B - Substance that is harmful to human target organs or systems (oral, inhalation).
9.1D - Substance that is slightly harmful to the aquatic environment or is otherwise designed for biocidal action.

Hazard Statement Codes:
H315 Causes skin irritation.
H320 Causes eye irritation.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure by ingestion or inhalation.
H402 Harmful to aquatic life.

Precautionary Statement Codes - Prevention:

Infosafe No™ LPY7Q	Issue Date : January 2011	ISSUED by PARCHEMD
--------------------	---------------------------	--------------------

Product Name **EMER-SEAL PU**

Not classified as hazardous according to criteria of NOHSC

P103 Read label before use. -This statement applies only where the substance is available to the general public.
 P104 Read Safety Data Sheet before use.
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breathe mist, vapours or spray.
 P264 Wash hands and skin thoroughly after handling.
 P273 Avoid release to the environment. -This statement does not apply where this is the intended use.
 P280 Wear protective gloves, and eye protection.
 P281 Use personal protective equipment as required.

Precautionary Statement Codes - Response:

GENERAL:

P308+P313 If exposed or concerned: Get medical advice/attention.

INGESTION:

P314 Get medical advice/attention if you feel unwell.

INHALATION:

P314 Get medical advice/attention if you feel unwell.

EYE:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

SKIN:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before re-use.

Precautionary Statement Codes - Storage:

P405 Store locked up.

Precautionary Statement Codes - Disposal:

P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

Risk Phrase(s) Not classified as hazardous according to criteria of NOHSC

Safety Phrase(s) S16 Keep away from sources of ignition - No smoking.
 S23(2) Do not breathe vapour.
 S24/25 Avoid contact with skin and eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Xylene	1330-20-7	2-5 %
	Ethylbenzene	100-41-4	<2.5 %
	Distillates (petroleum), hydrotreated light	64742-47-8	<2.5 %
	Calcium oxide	1305-78-8	<2.5 %
	Ingredients determined not to be hazardous		Balance
Other Information	Contains a polyurethane prepolymer based on diphenylmethanediisocyanate.		

4. FIRST AID MEASURES

Inhalation	Remove the source of contamination or move the affected person to fresh air. Keep at rest and warm. If symptoms persist seek medical attention.
Ingestion	Do NOT induce vomiting. Wash out mouth and lips thoroughly with water. Seek medical attention.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation develops seek medical attention.
Eye	If in eyes, hold eyelids apart and flush the eyes immediately with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.
First Aid Facilities	Eye wash and normal washroom facilities.

Infosafe No™ LPY7Q	Issue Date : January 2011	ISSUED by PARCHEMD
--------------------	---------------------------	--------------------

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Advice to Doctor Treat symptomatically.

Other Information For advice, contact a Poisons Information Centre (Phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Water spray, water fog, foam, carbon dioxide and dry chemical. Do not use water jet.

Hazards from Combustion Products Under fire conditions the product may emit toxic fumes including carbon monoxide, carbon dioxide, oxides of nitrogen and trace amounts of hydrogen cyanide.

Specific Hazards This product is flammable. It will readily burn under fire conditions. Danger of containers bursting due to vapour overpressure. Vapour/air mixtures may ignite explosively. Heating can cause expansion or decomposition leading to violent rupture of containers.

Precautions in connection with Fire Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes and products of combustion. Water spray may be used to cool down heat-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Slippery when spilt, avoid accidents, clean up promptly. Increase ventilation. Evacuate all unprotected personnel. Wear protective clothing and equipment to prevent exposure. If possible contain the spill. Place inert absorbent such as vermiculite or sand onto material. Prevent run off into drains and waterways. Use clean non-sparking tools to collect the material and place into suitable, labelled containers. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. Dispose of waste according to applicable local and national regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling Wear appropriate protective clothing and equipment to prevent inhalation, skin and eye contact. Use in designated areas with adequate ventilation. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities. When using do not eat, drink or smoke. Prevent the creation of vapour or mist in the work atmosphere. Keep containers closed when not in use.

Conditions for Safe Storage Store in a cool, dry well-ventilated area away from incompatible materials, such as strong acids and oxidizing agents. Protect from freezing. Keep the containers tightly sealed when not in use, and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure standards have been established for the mixture by the National Occupational Health & Safety Commission (NOHSC), Australia or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, over-exposure to some chemicals may adversely affect the health or result in aggravation of pre-existing medical conditions and/or allergic reactions and should be kept to the least possible levels. The applicable exposure standards for ingredients are listed below:

National Occupational Health And Safety Commission (NOHSC), Australia Exposure Standards:

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	-
Ethylbenzene	100	434	125	543	-

Note: The above value for isocyanates apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust.
 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.

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.

'Sen' Notice: The substance may cause sensitisation by skin contact or by inhalation.

Biological Limit Values No biological limit allocated.

Infosafe No™ LPY7Q

Issue Date : January 2011

ISSUED by PARCHEMD

 Product Name **EMER-SEAL PU**

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Engineering Controls	Use with good ventilation to keep the airborne concentrations below the exposure limits. Where vapours or mists are generated in a confined space, a local exhaust ventilation system, drawing the vapours/mists away from workers' breathing zone, should be used.
Respiratory Protection	If engineering controls are not effective in controlling airborne exposure below exposure limits, then an approved respirator with a replaceable organic vapour/mist filter should be used. Reference should be made to Australian 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.
Eye Protection	Safety glasses with side shields or goggles as appropriate should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. 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.
Hand Protection	Use chemical resistant gloves, eg. laminated film or nitrile. Avoid gloves made of natural latex. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Suitable protective clothing should be worn e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey paste.
Odour	Hydrocarbon odour.
Melting Point	Not available
Boiling Point	137°C
Solubility in Water	Insoluble
Specific Gravity	1.17 at 20°C
pH Value	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	>1
Evaporation Rate	Not available
Flash Point	40-55°C
Flammability	Product is not classified as Dangerous Goods due to its form and properties. Flammable liquid.
Auto-Ignition Temperature	>200°C
Flammable Limits - Lower	0.6% v/v
Flammable Limits - Upper	8.0% v/v

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Incompatible Materials	Oxidising agents and strong acids. Also reacts with amines, alcohols and alkalis. Reacts with water forming carbon dioxide. Danger of containers bursting due to vapour overpressure.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide, carbon dioxide, oxides of nitrogen and trace amounts of hydrogen cyanide.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	Not available
Inhalation	Inhalation of product vapours in confined spaces may cause irritation of upper respiratory tract.

Infosafe No™ LPY7Q	Issue Date : January 2011	ISSUED by PARCHEMD
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Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	Extended contact may cause redness, itching and mild irritation.
Eye	May cause eye irritation, tearing, stinging, blurred vision, and redness.
Chronic Effects	Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not available
Persistence / Degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environ. Protection	Do not discharge product into drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations

Product Disposal:
 Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. In this specific case the product is a combustible substance and therefore can be sent to an approved high temperature incineration plant for disposal. Alternatively, the product may be allowed to cure in air to an inert solid that can be disposed in a licensed landfill facility.

Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed.

Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected. In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the ERMA New Zealand website under specific group standards.

Container Disposal:
 The container or packaging can be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service. Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous.

In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

14. TRANSPORT INFORMATION

Transport Information

Road and Rail Transport:
 Australia:
 Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
 New Zealand:
 Not classified as Dangerous Goods for transport according to the NZS 5433:2007 Transport of Dangerous Goods on Land.

Marine Transport (IMO/IMDG):
 Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):
 Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Regulatory Information

Australia:
 Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
 Not classified as a Scheduled Poison according to the Standard for the Uniform

Infosafe No™ LPY7Q

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Poisons Schedule	Scheduling of Medicines and Poisons (SUSMP). Not Scheduled
National and or International Regulatory Information	New Zealand: Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempted. Group Standard: Surface Coatings and Colourants (Toxic [6.7]) Group Standard 2006. HSR002679
HSNO Approval Number	
AICS (Australia)	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Reviewed: January 2011 Supersedes: June 2009
Contact Person/Point	Technical Support: 1800 812 864 ...End Of MSDS...

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