

Infosafe No™ LPTAT      Issue Date : September 2011      ISSUED by PARCHEMD

Product Name **EMER-SEAL PU40**

Classified as hazardous

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** EMER-SEAL PU40  
**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** General purpose elastomeric joint 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](http://www.parchem.com.au)  
New Zealand: [www.parchem.co.nz](http://www.parchem.co.nz)

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Classified as hazardous  
Australia:  
Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).  
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.  
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  
6.5A - Substance that is a respiratory sensitiser  
6.5B - Substance that is a contact sensitiser  
6.9B - Substance that is harmful to human target organs or systems (Inhalation, Repeated exposure)  
9.1C - Substance that is harmful in the aquatic environment  
Hazard statement codes:  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

|                    |                             |                    |
|--------------------|-----------------------------|--------------------|
| Infosafe No™ LPTAT | Issue Date : September 2011 | ISSUED by PARCHEMD |
|--------------------|-----------------------------|--------------------|

Product Name **EMER-SEAL PU40**

Classified as hazardous

H373 May cause damage to organs through prolonged or repeated exposure by inhalation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statement codes - Prevention:

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.

P260 Do not breathe mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment. -This statement does not apply where this is the intended use.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P285 In case of inadequate ventilation wear respiratory protection.

Precautionary statement codes - Response:

P314 Get medical advice/attention if you feel unwell.

INHALATION:

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.

EYES:

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:

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

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

Precautionary statement codes - Storage:

No storage statement codes.

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)**

Classified as hazardous

R42 May cause sensitization by inhalation.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety Phrase(s)**

S23 Do not breathe gas/fumes/vapour/spray

S45 In case of accident or if you feel unwell seek medical advice immediately

S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | <u>Name</u>  | <u>CAS</u> | <u>Proportion</u> | <u>Hazard Symbol</u> | <u>Risk Phrase</u> |
|-------------|--|------------|-------------------|----------------------|--------------------|
|             | Ingredients determined to be non-hazardous or below cut-off concentrations |            | 60-100 %          |                      |                    |
|             | Solvent naphtha, petroleum, light arom.                                    | 64742-95-6 | 0-10 %            |                      |                    |
|             | Calcium oxide  | 1305-78-8  | 0-<5 %            |                      |                    |

|                    |                             |                    |
|--------------------|-----------------------------|--------------------|
| Infosafe No™ LPTAT | Issue Date : September 2011 | ISSUED by PARCHEMD |
|--------------------|-----------------------------|--------------------|

 Product Name **EMER-SEAL PU40**

Classified as hazardous

|  |          |        |
|--|----------|--------|
| Diphenylmethane-4<br>, 4'-diisocyanate | 101-68-8 | 0-<1 % |
|--|----------|--------|

## 4. FIRST AID MEASURES

|                             |  |
|-----------------------------|--|
| <b>Inhalation</b>           | If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.   |
| <b>Ingestion</b>            | Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.  |
| <b>Skin</b>                 | Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.   |
| <b>Eye</b>                  | 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. |
| <b>First Aid Facilities</b> | Eye wash and normal washroom facilities.   |
| <b>Advice to Doctor</b>     | Treat symptomatically.   |
| <b>Other Information</b>    | For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.  |

## 5. FIRE FIGHTING MEASURES

|  |   |
|--|---|
| <b>Suitable Extinguishing Media</b>        | Water spray, foam, carbon dioxide and dry powder.   |
| <b>Hazards from Combustion Products</b>    | Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide, isocyanates, nitrogen oxide, hydrogen chloride, hydrogen cyanide, sulfur dioxide.   |
| <b>Specific Hazards</b>                    | Combustible substance. This product will burn if exposed to fire.   |
| <b>Precautions in connection with Fire</b> | Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses. |
| <b>Unsuitable Extinguishing Media</b>      | Do not use water jets.  |

## 6. ACCIDENTAL RELEASE MEASURES

|                             |  |
|-----------------------------|--|
| <b>Emergency Procedures</b> | 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. 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

|                                      |  |
|--------------------------------------|--|
| <b>Precautions for Safe Handling</b> | Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.   |
| <b>Conditions for Safe Storage</b>   | Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. 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 applicable local and national regulations. |

|                    |                             |                    |
|--------------------|-----------------------------|--------------------|
| Infosafe No™ LPTAT | Issue Date : September 2011 | ISSUED by PARCHEMD |
|--------------------|-----------------------------|--------------------|

Product Name **EMER-SEAL PU40**

Classified as hazardous

**Storage Temperatures**      Store between 5-25°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| National Exposure Standards       | <u>Name</u>   | STEL         |            | TWA          |            | <u>Footnote</u>           |
|-----------------------------------|---|--------------|------------|--------------|------------|---------------------------|
|                                   |   | <u>mg/m3</u> | <u>ppm</u> | <u>mg/m3</u> | <u>ppm</u> |                           |
|                                   | Solvent naphtha, petroleum, light arom.   | -            |            | 5            |            | (As oil mist)             |
|                                   | Calcium oxide   |              |            | 2            |            |                           |
|                                   | Diphenylmethane-4, 4'-diisocyanate  | 0.07         |            | 0.02         |            | Isocyanates, all (as-NCO) |
| <b>Biological Limit Values</b>    | No biological limit allocated.  |              |            |              |            |                           |
| <b>Other Exposure Information</b> | No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC). However, exposure standards for ingredients are stated above:  |              |            |              |            |                           |
|                                   | As published by the National Occupational Health and Safety Commission (NOHSC):   |              |            |              |            |                           |
|                                   | As published by the New Zealand Occupational Safety and Health Service (OSH):   |              |            |              |            |                           |
|                                   | 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.   |              |            |              |            |                           |
| <b>Engineering Controls</b>       | 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 local exhaust ventilation system is required.  |              |            |              |            |                           |
| <b>Respiratory Protection</b>     | If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable 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. |              |            |              |            |                           |
| <b>Eye Protection</b>             | Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.  |              |            |              |            |                           |
| <b>Hand Protection</b>            | Wear gloves of impervious material. 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.  |              |            |              |            |                           |
| <b>Body Protection</b>            | Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.  |              |            |              |            |                           |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                       |                          |
|---------------------------------------|--------------------------|
| <b>Appearance</b>                     | Paste of various colours |
| <b>Odour</b>                          | Not available            |
| <b>Melting Point</b>                  | Not available            |
| <b>Boiling Point</b>                  | Not available            |
| <b>Solubility in Water</b>            | No; Reaction             |
| <b>Solubility in Organic Solvents</b> | Partly                   |
| <b>Specific Gravity</b>               | 1.15 - 1.19              |

|                    |                             |                    |
|--------------------|-----------------------------|--------------------|
| Infosafe No™ LPTAT | Issue Date : September 2011 | ISSUED by PARCHEMD |
|--------------------|-----------------------------|--------------------|

 Product Name **EMER-SEAL PU40**

Classified as hazardous

|                                  |                              |
|----------------------------------|------------------------------|
| <b>pH Value</b>                  | Not applicable               |
| <b>Vapour Pressure</b>           | Not available                |
| <b>Vapour Density (Air=1)</b>    | Not available                |
| <b>Volatile Component</b>        | Not available                |
| <b>Flash Point</b>               | >61°C                        |
| <b>Flammability</b>              | Combustible                  |
| <b>Auto-Ignition Temperature</b> | Not available                |
| <b>Other Information</b>         | VOC contents: 7 to 8% weight |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Chemical Stability</b>               | Stable under normal conditions of storage and handling.   |
| <b>Conditions to Avoid</b>              | Heat, direct sunlight, open flames or other sources of ignition.  |
| <b>Incompatible Materials</b>           | Strong oxidising agents, strong acid materials as well as amines, alcohol and water.                                  |
| <b>Hazardous Decomposition Products</b> | Isocyanates, carbon monoxide and dioxide, smoke, nitrogen oxide, hydrogen chloride, hydrogen cyanide, sulfur dioxide. |
| <b>Hazardous Reactions</b>              | Reacts with incompatibles.  |
| <b>Hazardous Polymerization</b>         | During polymerisation: Carbon dioxide, which in closed containers can result in pressurisation.                       |

## 11. TOXICOLOGICAL INFORMATION

|                               |   |
|-------------------------------|---|
| <b>Toxicology Information</b> | No toxicity data is available for this specific product. However, for the constituent:<br>Diphenylmethane-4,4'-diisocyanate<br>LC50 (rat, inhalation): 0.49 mg/l/4h<br>LD50 (rat, oral): > 15000 mg/m <sup>3</sup>  |
| <b>Inhalation</b>             | Inhalation of product vapours may cause irritation of the nose, throat and respiratory system. Inhalation may cause sensitisation in some individuals.  |
| <b>Ingestion</b>              | Ingestion of this product may irritate the gastric tract, causing nausea and vomiting.  |
| <b>Skin</b>                   | May cause redness, itching and irritation.  |
| <b>Eye</b>                    | May cause eye irritation, tearing, stinging, blurred vision, and redness.   |
| <b>Chronic Effects</b>        | Repeated or prolonged exposure to diphenylmethane-4,4'-diisocyanate may lead to respiratory sensitisation in some individuals. Repeated exposure may lead to permanent respiratory disability.  |
| <b>Other Information</b>      | Based on the properties of the isocyanate components, this preparation may cause acute irritation and sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Repeated or prolonged contact with the preparation may cause non-allergic contact dermatitis and absorption through the skin. The paste splashed in the eyes may cause irritation and reversible damage. |

## 12. ECOLOGICAL INFORMATION

|                                    |   |
|------------------------------------|---|
| <b>Ecotoxicity</b>                 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| <b>Persistence / Degradability</b> | No data is available for this material.   |
| <b>Mobility</b>                    | No data is available for this material.   |
| <b>Environ. Protection</b>         | Prevent this material entering waterways, drains and sewers.                                  |

## 13. DISPOSAL CONSIDERATIONS

|                    |                             |                    |
|--------------------|-----------------------------|--------------------|
| Infosafe No™ LPTAT | Issue Date : September 2011 | ISSUED by PARCHEMD |
|--------------------|-----------------------------|--------------------|

 Product Name **EMER-SEAL PU40**

Classified as hazardous

**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.  
 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 EPA New Zealand website under specific group standards.

**Container Disposal:**  
 The container or packaging must be cleaned and rendered incapable of holding any substance. It can then 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 (ADG Code) (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:  
 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 Scheduling of Medicines and Poisons (SUSMP).

**Poisons Schedule**  
 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: Construction Products (Subsidiary Hazard) Group Standard 2006 HSR002544

**HSNO Approval Number**  
 HSR002544

**Hazard Category**  
 Harmful

|                    |                             |                    |
|--------------------|-----------------------------|--------------------|
| Infosafe No™ LPTAT | Issue Date : September 2011 | ISSUED by PARCHEMD |
|--------------------|-----------------------------|--------------------|

Product Name **EMER-SEAL PU40**

Classified as hazardous

---

## 16. OTHER INFORMATION

---

**Date of preparation** MSDS Reviewed: September 2011

**or last revision of** Supersedes: October 2006

**MSDS**

**Contact** Technical Support: 1800 812 864

**Person/Point**

...End Of MSDS...

© Copyright ACOHS Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.  
The compilation of MSDS's displayed is the intellectual property of Acohs Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Acohs Pty Ltd.