



# Material Safety Data Sheet

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Infosafe No. LPTAT Issue Date : October 2006 ISSUED by PARCHEMC

Product Name : EMER-SEAL PU40

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** EMER-SEAL PU40  
**Company Name** Parchem Construction Products Pty Ltd (ABN 80 069 961 968)  
**Address** 7 Lucca Road Wyong  
NSW 2259 Australia  
**Emergency Tel.** 1800 638 556  
**Telephone/Fax Number** Tel:  
02 4350 5000  
Fax:  
02 4351 2024  
**Recommended Use** General purpose elastomeric joint sealant.  
**Other Information** This MSDS summaries 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 Products 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 term and conditions, a copy of which is sent to our customers and is also available upon request.  
  
[www.parchem.com.au](http://www.parchem.com.au)

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** HAZARDOUS SUBSTANCE.  
NON-DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.  
**Risk Phrase(s)** 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  
S24/25 Avoid contact with skin and eyes.  
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	Name	CAS	Proportion
	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 %
	Diphenylmethane-4, 4'-diisocyanate	101-68-8	0-<1 %

## 4. FIRST AID MEASURES

**Inhalation** Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and give oxygen if breathing is difficult. Apply artificial respiration if not breathing. Seek medical attention.  
**Ingestion** Do NOT induce vomiting. Wash out mouth with water. Do not give anything by mouth to an unconscious person. Seek medical attention.



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<b>Skin</b>	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.
<b>Eye</b>	If contact with the eye(s) occur, wash with running water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. In all cases of eye contamination it is a sensible precaution to seek medical advice.
<b>First Aid Facilities</b>	Eye wash and normal washroom facilities.
<b>Advice to Doctor</b>	Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

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<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>Hazchem Code</b>	None Allocated
<b>Precautions in connection with Fire</b>	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.
<b>Unsuitable Extinguishing Media</b>	Do not use water jets.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Emergency Procedures</b>	Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.
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## 7. HANDLING AND STORAGE

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<b>Precautions for Safe Handling</b>	Use in a well ventilated area. DO NOT store or use in confined spaces. Build up of mists or vapours in the atmosphere must be prevented. Avoid breathing in mists or vapours. Do not use near welding or other ignition sources and avoid sparks. 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.
<b>Conditions for Safe Storage</b>	Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep away from strongly acids materials as well as amines, alcohol and water. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Do NOT pressurise, cut, heat or weld containers as they may contain hazardous residues. 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.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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National Exposure Standards	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Solvent naphtha, petroleum, - light arom.			5		(As oil mist)
	Calcium oxide			2		

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National Exposure Standards	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Diphenylmethane-4, 4'-diisocyanate	0.07		0.02		Isocyanates, all (as-NCO)
Biological Limit Values	No biological limit allocated.					
Other Exposure Information	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): TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. 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. According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals, they are not a measure of relative toxicity.					
Engineering Controls	Use with good general ventilation. If mists or vapours are produced local exhaust ventilation should be used.					
Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. 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.					
Eye Protection	Safety glasses with side shields or goggles should be worn as described in Australian Standard AS/NZS 1337 - Eye Protectors for Industrial Applications. Final choice of appropriate eye/face protection will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments					
Hand Protection	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Advice should be sought from appropriate glove manufacturers in order to ensure gloves are correct for application.					
Body Protection	Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.					

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Paste
Odour	Not available
Melting Point	Not available
Boiling Point	Not available.
Solubility in Water	No; Reaction
Solubility in Organic Solvents	Partly
Specific Gravity	1.15 - 1.19
pH Value	Not applicable.



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<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>Auto-Ignition Temperature</b>	Not available
<b>Other Information</b>	VOC contents: 7 to 8% weight

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability</b>	Stable under normal conditions.
<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.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Toxicology Information</b>	No toxicity data is available for this specific product. However, for the constituent: Diphenylmethane-4,4'-diisocyanate LC50 (rat, inhalation): 0.49 mg/l/4h 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.

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## 12. ECOLOGICAL INFORMATION

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<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.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Considerations</b>	Dispose of waste according to federal, EPA, state and local regulations.
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## 14. TRANSPORT INFORMATION

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<b>Transport Information</b>	Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>U.N. Number</b>	None Allocated
<b>Proper Shipping Name</b>	None Allocated
<b>DG Class</b>	None Allocated
<b>Hazchem Code</b>	None Allocated



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**Packing Group**      None Allocated

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## 15. REGULATORY INFORMATION

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**Poisons Schedule**      Not Scheduled

**Hazard Category**      Harmful

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## 16. OTHER INFORMATION

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**Date of preparation**      MSDS Reviewed: October 2006

**or last revision of**      MSDS Superseded: August 2004

**MSDS**

**Contact Person/Point**      Technical Support: 1800 812 864

...End Of MSDS...