



Material Safety Data Sheet

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Infosafe No. LPTDJ Issue Date : May 2007 ISSUED by PARCHEMC

Product Name : EMER-SEAL CR

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name EMER-SEAL CR
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 One part, gun applied polydimethylsiloxane polymer sealant designed for sealing joints in chemically aggressive environments.
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 terms and conditions, a copy of which is sent to our customers and is also available upon request.

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) R43 May cause sensitization by skin contact.
Safety Phrase(s) S24/25 Avoid contact with skin and eyes.
S37 Wear suitable gloves.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Crystalline Silica	14808-60-7	0-<10 %
	Treated fumed silica	68611-44-9	0-<10 %
	Methyl oximino silane	22984-54-9	0-<5 %
	Polydimethylsiloxane	63148-62-9	0-<2 %
	Other ingredients determined not to be hazardous		Balance to 100%

4. FIRST AID MEASURES

Inhalation Remove the source of contamination or move the victim to fresh air. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.
Ingestion 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 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.
First Aid Facilities Eye wash and normal washroom facilities.
Advice to Doctor Treat symptomatically.



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5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use carbon dioxide, dry chemical, foam or water mist.

Specific Hazards Non-flammable substance

Precautions in connection with Fire Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures 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. If possible contain the spill. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning material appropriately. 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.

7. HANDLING AND STORAGE

Precautions for Safe Handling Use in a well ventilated area. Build up of vapours in the atmosphere must be prevented. Do not use near welding or other ignition sources and avoid sparks. 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 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 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure standards have been established for this material by the National Occupational Health & Safety Commission (NOHSC).

Biological Limit Values No biological limit allocated.

Other Exposure Information This product contains crystalline silica and when using the dry product, or when the wet product dries out, a proportion of this may become airborne as respirable dust. Exposure to fine dust (respirable crystalline silica dust) contained in the products must be prevented to avoid risk of lung disease.

Applicable exposure limits:

SUBSTANCE	TWA		STEL		Notes
	ppm	mg/m ³	ppm	mg/m ³	
Crystalline silica	-	0.1	-	-	Cat 1 Carcinogen

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.

Engineering Controls Use with good general ventilation. If 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.



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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	Pigmented paste.
Odour	Not available
Melting Point	Not available.
Boiling Point	Not available.
Solubility in Water	Insoluble.
Specific Gravity	Not available
pH Value	Not applicable.
Vapour Pressure	Not available.
Vapour Density (Air=1)	Not available.
Flash Point	Not available
Flammability	Non flammable substance
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Heat, flames and other ignition sources.
Incompatible Materials	Incompatible with strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide, carbon dioxide, silicon dioxide and formaldehyde.
Hazardous Reactions	May react with strong oxidising agents.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data is available for this specific product.
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Ingestion	Ingestion of this product may irritate the gastric tract, causing nausea and vomiting.
Skin	May cause redness, itching and irritation. This product may cause sensitisation in some individuals.
Eye	May cause eye irritation, tearing, stinging, blurred vision, and redness.



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Chronic Effects Prolonged or repeated skin contact may cause dermatitis due to defatting effect.

Carcinogenicity Crystalline silica is classified as a Class 1 Human Carcinogen according to IARC (International Agency for Research on Cancer), however Worksafe Australia has yet to classify crystalline silica as a human carcinogen.

Repeated exposure to respirable crystalline silica dust may lead to silicosis, a serious lung disease. The onset of silicosis is usually slow and lung damage may occur even when no symptoms or signs of ill health have occurred. Silicosis can develop to a more serious degree even after exposure has ceased, and may also lead to other diseases including heart disease and scleroderma.

Other Information This product contains polydimethylsiloxanes, which can generate formaldehyde when heated above 150°C in the presence of air.

Toxicity data for the by-product, formaldehyde (formed by thermal decomposition of polydimethylsiloxanes) is shown below:

LC50 (rat, inhalation) = 203 mg/m³
LD50 (rat, oral) = 100 mg/kg
LD50 (rabbit, dermal) = 270 mg/kg
Formaldehyde is a known animal carcinogen and is listed as a probable human carcinogen by the IARC. Formaldehyde is irritating to the eyes, nose, throat and skin and is a dermal sensitiser.

12. ECOLOGICAL INFORMATION

Ecotoxicity No data available for this specific product.

Persistence / Degradability No data available for this specific product.

Mobility Insoluble in water.

Bioaccumulative Potential Not available.

Environ. Protection Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations Dispose of according to relevant local, state and federal government regulations.

14. TRANSPORT INFORMATION

Transport Information Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Storage and Transport Not classified as dangerous.

15. REGULATORY INFORMATION

Poisons Schedule Not Scheduled

Hazard Category Irritant

16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS Reviewed: April 2007
MSDS Superseded: March 2007

Contact Person/Point Technical Support: 1800 812 864
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