

Infosafe No™ LPTD2

Issue Date : April 2012

ISSUED by PARCHEMC


Product Name : **EMER-SEAL CONSTRUCTION SILICONE**

Classified as hazardous

1. Identification

GHS Product Identifier	EMER-SEAL CONSTRUCTION SILICONE
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	A low modulus non-staining silicone sealant used for sealing high movement joints.
Other Information	<p>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.</p> <p>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.</p> <p>www.parchem.com.au</p>

2. Hazard Identification

GHS classification of the substance/mixture	<p>Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia</p> <p>Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)</p> <p>Skin sensitiser, Category 1</p> <p>Hazardous to the Aquatic Environment - Acute Hazard: Category 3</p>
Signal Word (s)	Warning
Hazard Statement (s)	H317 May cause an allergic skin reaction. H402 Harmful to aquatic life.
Pictogram (s)	Exclamation mark
	
Precautionary statement – Prevention	<p>P103 Read label before use.</p> <p>P104 Read Safety Data Sheet before use.</p> <p>P261 Avoid breathing mist/vapours/spray</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p>
Precautionary statement – Response	<p>SKIN</p> <p>P302+P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P362+P364: Take off contaminated clothing and wash it before reuse.</p>
Precautionary statement – Disposal	P501 Dispose of contents/container to an approved waste disposal plant.
Other Information	On contact with water and during curing this product can release 2-butanone oxime (methyl ethyl ketoxime) which is a skin and eye irritant, limited

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evidence of a carcinogenic effect and may have a sensitising effect on the skin.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Dimethyl siloxane, hydroxy-terminated	70131-67-8	30-60 %
	Siloxanes and silicones, dimethyl	63148-62-9	1-20 %
	2-butanone-O,O',O'' (phenylsilylidyne)trioxime	34036-80-1	0-<10 %
	1,2-Ethanediamine, N-[3-(trimethoxysilyl)propyl]-	1760-24-3	0-<1 %
	2-Butanone, O,O',O''-(methylsilylidyne)trioxime	22984-54-9	0-<1 %
	4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one	64359-81-5	0-<0.1 %
	Ingredients determined not to be hazardous		Balance

4. First-aid measures

Inhalation	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.
Ingestion	DO NOT induce vomiting. Immediately wash out mouth with water. If symptoms develop 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. Seek medical attention.
First Aid Facilities	Eye wash 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 carbon dioxide, dry chemical, foam, water spray or water fog.
Hazards from Combustion Products	Combustion products may include carbon monoxide, carbon dioxide, oxides of nitrogen, methyl ethyl ketone, formaldehyde and silicon dioxide.
Specific hazards arising from the chemical	Not available
Precautions in connection with Fire	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers.

6. Accidental release measures

Emergency Procedures	Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation. If possible contain the spill. Spillage can be slippery. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. 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. This material is a non flowing paste. A small spillage can be safely disposed by allowing to cure by reaction with atmospheric moisture until it becomes an
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inert solid.

7. Handling and storage

Precautions for Safe Handling Use in a well ventilated area. Build up of mists or vapours in the atmosphere must be prevented. Avoid breathing in spray or mists or vapours. 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. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure value assigned for this specific material by Safework, Australia. However, over-exposure to any chemical may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels. The available exposure limits for formaldehyde, a by-product of thermal decomposition is listed below:

Safework, Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Formaldehyde	1	1.2	2	2.5	Sen, Carcinogen 2

The product evolves 2- Butanone oxime when exposed to water or humid air. The manufacturer recommends the following exposure limits for 2-Butanone oxime.

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
2-Butanone oxime	3	-	10	-

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.

Appropriate engineering controls Natural ventilation should be sufficient, however where vapours or mists are generated, particularly in enclosed areas, and/or natural ventilation is inadequate, a local exhaust ventilation system is recommended.

Respiratory Protection 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.

Eye Protection Safety glasses with side shields or goggles as appropriate should be used. 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 Wear gloves of impervious material (e.g.laminated film, PVC). 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 workwear should be worn when working with this material, e.g. cotton overalls buttoned at neck and wrist.

9. Physical and chemical properties

Appearance Pigmented paste

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Odour	Amine like odour
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Insoluble
Specific Gravity	1.22 @ 23°C
pH	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Evaporation Rate	Not available
Odour Threshold	Not available
Viscosity	Not available
Partition Coefficient: n-octanol/water	Not available
Flash Point	Not applicable
Flammability	Not flammable
Auto-Ignition Temperature	Not applicable
Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable

10. Stability and reactivity

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Extremes of temperature, moisture and direct sunlight
Incompatible Materials	Strong oxidizing agents, strong acids.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide, carbon dioxide, oxides of nitrogen, methyl ethyl ketone, formaldehyde and silicon dioxide.
Possibility of hazardous reactions	The product evolves 2- Butanone oxime when exposed to water or humid air.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	No toxicity data is available for this 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. Prolonged or repeated skin contact may cause defatting leading to dermatitis.
Eye	May be irritating to eyes. May result in redness, stinging and tearing.
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.

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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	Not expected to be a respiratory sensitiser.
Other Information	This product contains siloxanes, which can generate formaldehyde when heated above 150°C in the presence of air. Toxicity data for formaldehyde is shown below: LC50 (rat, inhalation) = 203 mg/m ³ 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	Harmful to aquatic life.
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environmental Protection	Prevent this material entering waterways, drains and sewers.

13. Disposal considerations

Disposal Considerations	Dispose of waste according to applicable local and national regulations.
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14. Transport information

Transport Information	Road and Rail Transport (ADG Code): Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition). Marine Transport: 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.
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 Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Poisons Schedule	Not Scheduled

16. Other Information

Date of preparation or last revision of SDS	SDS Reviewed: April 2012, Supersedes: May 2007
Contact Person/Point	Technical Support: 1800 812 864



Safety Data Sheet

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