

Infosafe No™ LPX5C

Issue Date : April 2012

ISSUED by PARCHEMN

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 0800 154 666 (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 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.

www.parchem.co.nz

2. Hazard Identification

GHS classification of the substance/mixture Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.
6.4A - Substance that is irritating to the eyes
6.5B - Substance that is a contact sensitiser
6.9B (Repeated exposure) - Substance that is harmful to human target organs or systems
9.1D - Substance that is slightly harmful in the aquatic environment
9.4A - Substance that is very ecotoxic to terrestrial invertebrates

Signal Word (s) Warning

Hazard Statement (s) H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure by ingestion.
H402 Harmful to aquatic life.
H441 Very toxic to terrestrial invertebrates.

Pictogram (s) Health hazard, Environment, Exclamation mark



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Precautionary statement – Prevention	P103 Read label before use. 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.
Precautionary statement – Response	P314 Get medical advice/attention if you feel unwell. P391 Collect spillage. SKIN P302+P352 IF ON SKIN: Wash with plenty of soap and water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P363 Wash contaminated clothing before reuse.
Precautionary statement – Disposal	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. 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.
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, suspected human carcinogen 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;

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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 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 standards have been established for the mixture by the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. 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:

New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:

Substance	TWA	
NOTICES	ppm	mg/m ³
Formaldehyde	0.5 ppm (8h shift),	0.33 ppm (12h shift), 1 ppm Ceiling
Sen, 6.7A		

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.

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Biological Limit Values	'Sen' Notice: The substance may cause sensitisation by skin contact or by inhalation 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
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

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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	Irritating to eyes. Can 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.
STOT-single exposure	Not expected to cause damage to organs.
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure by ingestion.
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. Very toxic to terrestrial invertebrates.
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	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. Do not dispose directly into the sewerage system. Do not discharge into drains
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or watercourses or dispose where ground or surface waters may be affected. 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. 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.

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 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:

Not classified as Dangerous Goods for transport according to the NZS 5433:2007 Transport of Dangerous Goods on Land.

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.
No

IMDG Marine pollutant

15. Regulatory information

Regulatory Information

Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Group Standard:

Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2006

HSNO Approval Number

HSR002670

16. Other Information

Date of preparation or last revision of SDS

SDS Reviewed: April 2012, Supersedes: March 2008

Contact Person/Point

Technical Support: 1800 812 864

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