

Infosafe No™ LQ350	Issue Date : March 2014	ISSUED by PARCHEMN
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Product Name : **EMER-STOP CREME**

Classified as hazardous

1. Identification

GHS Product Identifier	EMER-STOP CREME
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	Water proofing concrete, impregnating sealer.
Other Information	Distributed in New Zealand by: Concrete Plus 23 Watts Road Sockburn New Zealand Tel: (03) 343 0090 Fax: (03) 343 0202

This SDS 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

Classification of the substance or 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 5433:2012 Transport of Dangerous Goods on Land.
Hazard Statement (s)	HSNO Classification: 9.1C - Substance that is harmful in the aquatic environment H412 Harmful to aquatic life with long lasting effects.
Precautionary statement – Prevention	P103 Read label before use. P273 Avoid release to the environment.
Precautionary statement – 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.

3. Composition/information on ingredients

Chemical Characterization	Paste		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>

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Triethoxy (2,4,4-trimethylpentyl) silane	35435-21-3	50-80 %
Ethanol	64-17-5	<1 %
Ethoxylated stearylamine	26635-92-7	0-<0.25 %
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 develop and/or persist seek medical attention.
Ingestion	Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.
Skin	Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop, seek medical attention.
First Aid Facilities	Eyewash and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (0800 764 766)

5. Fire-fighting measures

Suitable extinguishing media	Use carbon dioxide, dry chemical, dry sand or alcohol-resistant foam.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes including oxides of nitrogen, carbon monoxide and carbon dioxide.
Specific hazards arising from the chemical	This product will burn if exposed to fire.
Decomposition Temp.	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 material. If safe to do so, remove containers from path of fire. Do not allow run-off from fire fighting to enter drains or water courses.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	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.
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7. Handling and storage

Precautions for Safe Handling	Avoid inhalation of vapours and mists, and skin or eye contact. 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. 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 by washing hands prior to eating, drinking, smoking or using toilet facilities.
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Conditions for safe storage, including any incompatibilities Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, acids, bases, foodstuffs, and out of direct sunlight. Protect against frost. Product can separate methanol. Product may release ethanol. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. In partly emptied containers formation of explosive mixtures is possible. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. 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 state and federal regulations.

Storage Temperatures Minimum temperature allowed during storage and transportation: 0°C

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.

The following Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour exposure limits apply:

Substance	TWA		STEL		NOTES
	ppm	mg/m ³	ppm	mg/m ³	
Ethanol	1000	1880	-	-	-

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.

Biological Limit Values No biological limits allocated.

Appropriate engineering controls Provide sufficient ventilation to keep airborne levels below the exposure limits or as low as possible. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to relevant regulations for further information concerning ventilation requirements.

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour 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 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.

Hand Protection Wear impervious gloves such as 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, e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

9. Physical and chemical properties

Form Paste

Appearance White to yellowish paste

Colour White to yellowish

Odour Mild

Decomposition Temperature Not available

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Melting Point	Not available
Boiling Point	100°C (1013hPa)
Solubility in Water	Completely miscible at 20°C. Hydrolytic decomposition occurs.
Specific Gravity	Not available
pH	Not applicable
Vapour Pressure	23Pa (20°C)
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	64°C (ISO 3679)
Flammability	Combustible
Auto-Ignition Temperature	Ignition temperature 265°C
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available
Other Information	Sustained combustibility: > 95°C (ISO 9038) Explosion limits for released ethanol: 3.5 - 15% (V).

10. Stability and reactivity

Reactivity	Will react with incompatible materials.
Chemical Stability	Stable under normal conditions of handling and storage.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.
Incompatible Materials	Strong oxidising agents. Water. Acids and alkalis.
Hazardous Decomposition Products	Under fire conditions this product may emit toxic and/or irritating fumes including oxides of nitrogen, carbon monoxide and carbon dioxide. Ethanol in case of hydrolysis.
Possibility of hazardous reactions	Reacts slowly with: water and acids. Reacts with: acids and alkalis. Reaction causes the formation of: ethanol

11. Toxicological Information

Toxicology Information	The available toxicity data for material given below.
Acute Toxicity - Oral	LD50 (rat): >2000mg/kg (Conclusion by analogy)
Acute Toxicity - Dermal	LD50 (rat): >2000mg/kg (Conclusion by analogy; OECD 402)
Acute Toxicity - Inhalation	LD50 (rat): >5.2mg/l/4h (spray, test report) - No mortality with the given dose.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Skin	May be irritating to skin. The symptoms may include redness, itching and swelling.

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Eye	<p>Skin corrosion/irritation Result: not irritating rabbit Conclusion by analogy OECD 404 May be irritating to eyes. The symptoms may include redness, itching and tearing.</p>
Respiratory sensitisation	<p>Serious eye damage/eye irritation Result: not irritating rabbit Conclusion by analogy OECD 405 Not expected to be a respiratory sensitiser.</p>
Skin Sensitisation	<p>Not expected to be a skin sensitiser.</p>
Germ cell mutagenicity	<p>Skin sensitization Result: not sensitizing guinea-pig; Magnusson-Kligman Conclusion by analogy OECD 406 Not considered to be a mutagenic hazard.</p>
Carcinogenicity	<p>Not considered to be a carcinogenic hazard.</p>
Reproductive Toxicity	<p>Not considered to be toxic to reproduction.</p>
STOT-single exposure	<p>Not expected to cause toxicity to a specific target organ.</p>
STOT-repeated exposure	<p>Not expected to cause toxicity to a specific target organ.</p>
Aspiration Hazard	<p>Not expected to be an aspiration hazard.</p>
Other Information	<p>Product(s) of hydrolysis: According to literature, ethanol irritates the mucous membranes, slightly irritates the skin, degrades the skin, is narcotic and may cause liver damage.</p>

12. Ecological information

Ecotoxicity	Harmful to aquatic life with long lasting effects.
Persistence and degradability	Contact with water liberates ethanol and silanol- and/or siloxanol-compounds. The hydrolysis product (Ethanol) is readily biologically degradable. Silicone content: biologically not degradable. Elimination by adsorption to activated sludge.
Mobility	Not available
Bioaccumulative Potential	Not available
Other Adverse Effects	Not available
Environmental Protection	Prevent this material entering waterways, drains and sewers.

13. Disposal considerations

Disposal Considerations	<p>Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.</p> <p>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. Alternatively, the product may be allowed to cure in air to an inert solid that can be disposed in a licensed landfill facility.</p>
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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 can 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 5433:2012 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.
Special Precautions for User	Not available
IMDG Marine pollutant	No
Transport in Bulk	Not available

15. Regulatory information

Regulatory Information	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
Poisons Schedule	Not Scheduled
HSNO Approval Number	HSR002544

16. Other Information

Date of preparation or last revision of SDS	SDS Reviewed: March 2014 Supersedes: March 2011
Literature References	Workplace Exposure Standards and Biological Exposure Indices, Department of Labour, Health & Safety. Transport of Dangerous goods on land NZS 5433. Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06). Assigning a hazardous substance to a group standard. American Conference of Industrial Hygienists (ACGIH).

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Contact Technical Support: 1800 812 864

Person/Point

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