

Infosafe No™ LPT3I Issue Date : February 2014 ISSUED by PARCHEMD

Product Name : EMER-STOP S100N

Classified as hazardous

1. Identification

GHS Product Identifier EMER-STOP S100N

Company Name Parchem Construction Supplies Pty Ltd (ABN ABN 80 069 961)

Address 7 Lucca Road Wyong
NSW 2259 Australia

Telephone/Fax Number Tel: 02 4350 5000
Fax: 02 4351 2024

Emergency phone number Australia 1800 638 556 and New Zealand 0800 154 666 (both available 24/7)

Recommended use of the chemical and restrictions on use Penetrating hydrophobic treatment for waterproofing concrete and masonry surfaces.

Additional Information Distributed in New Zealand by:
Concrete Plus
23 Watts Road
Sockburn
New Zealand
Tel: (03) 343 0090
Fax: (03) 343 0202

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.

Australia: www.parchem.com.au
New Zealand: www.parchem.co.nz

2. Hazard Identification

Classification of the substance or mixture 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 Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Signal Word (s) Flammable Liquids: Category 4
Skin Corrosion/Irritation: Category 2
Warning

Hazard Statement (s) H227 Combustible liquid.
H315 Causes skin irritation.

Pictogram (s) Exclamation mark

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Precautionary statement – Prevention
Precautionary statement – Response
Precautionary statement – Storage
Precautionary statement – Disposal

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/eye protection/face protection.
P370+P378 In case of fire: Use foam, dry chemical powder or carbon dioxide for extinction.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before re-use.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

| Ingredients | Name | CAS | Proportion |
|-------------|--|------------|------------|
| | Isobutyltriethoxysilane | 17980-47-1 | 60-100 % |
| | Other 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 Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. 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 Eye wash station, safety shower and normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Information For advice in an emergency, contact a Poisons Information Centre (Phone 131 126 in Australia or 0800 764 766 in New Zealand) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media Use carbon dioxide, dry chemical or foam.

Unsuitable Extinguishing Media Do not use water jet.

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 Combustible. This product will readily burn under fire conditions.

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.

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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.

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.

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. 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 Regulations Classified as a Class C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure value assigned for this material by Safe Work, Australia. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

Biological Limit Values No biological limits allocated.

Appropriate engineering controls This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 2430.3.1:2004: Classification of hazardous areas - Examples of area classification - General, 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. 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

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| Appearance | Colourless liquid. |
| Colour | Colourless |
| Odour | Not available |
| Decomposition Temperature | Not available |
| Melting Point | <-65°C |
| Boiling Point | 186°C (1013 hPa) (DIN 51751) |
| Solubility in Water | Not miscible. Decomposition by hydrolysis. |
| Specific Gravity | 0.88 (approximate) |
| pH | Not available |
| Vapour Pressure | 33Pa (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 | 63°C (Pensky-Martens Closed Cup) (DIN EN ISO 2719) |
| Flammability | Combustible liquid. |
| Auto-Ignition Temperature | Not available |
| Flammable Limits - Lower | Not available |
| Flammable Limits - Upper | Not available |

10. Stability and reactivity

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| 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. Peroxides. |
| Hazardous Decomposition Products | Under fire conditions this product may emit toxic and/or irritating fumes including oxides of nitrogen, carbon monoxide and carbon dioxide. |
| Possibility of hazardous reactions | Ethanol in case of hydrolysis. Exothermic reaction with peroxides. |

11. Toxicological Information

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| Toxicology Information | The available toxicity data for material given below. |
| Acute Toxicity - Oral | LD50(rat): >5000mg/kg (OECD Test guideline 401) |
| Acute Toxicity - Dermal | LD50(rat): >2000mg/kg (OECD Test guideline 402) |
| Acute Toxicity - Inhalation | LD50(rat): 5.88mg/1/4h (aerosol) |
| 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. |

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| Skin | Causes skin irritation. Skin contact will cause redness, itching and swelling. |
| Eye | May be irritating to eyes. The symptoms may include redness, itching and tearing. |
| Respiratory sensitisation | Not expected to be a respiratory sensitiser. |
| Skin Sensitisation | Not expected to be a skin sensitiser. |
| Germ cell mutagenicity | Not considered to be a mutagenic hazard. |
| Carcinogenicity | Not considered to be a carcinogenic hazard. |
| Reproductive Toxicity | Not considered to be toxic to reproduction. No evidence of fertility damage in animal experiments. |
| STOT-single exposure | Not expected to cause toxicity to a specific target organ. |
| STOT-repeated exposure | Not expected to cause toxicity to a specific target organ. |
| Aspiration Hazard | Not expected to be an aspiration hazard. |

12. Ecological information

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| Ecotoxicity | The available ecological data is given below. |
| Persistence and degradability | Exposure Time: 28days Result: 75% readily biodegradable. Method: OECD 301D |
| Mobility | Not available |
| Bioaccumulative Potential | Not bioaccumulative |
| Environmental Protection | Prevent this material entering waterways, drains and sewers. |
| Acute Toxicity - Fish | LC50 (Oncorhynchus mykiss): 85mg/l/96h Method: OECD 203 |
| Acute Toxicity - Daphnia | EC50 (Daphnia magna): >49.1mg/l/48h Method: OECD 202 |
| Acute Toxicity - Algae | NOEC (Scenedesmus subspicatus): >=36mg/l/72h Method: OECD 201 |

13. Disposal considerations

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

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| 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 (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. |
| IMDG Marine pollutant | No |

15. Regulatory information

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|-------------------------------|--|
| 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). |
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| Poisons Schedule | Not Scheduled |
| National and or International Regulatory Information | Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand. Not Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land. Group Standard:Surface Coatings and Colourants (Combustible) Group Standard 2006 |
| AICS (Australia) | HSNO Approval Number:HSR002657 All components of this product are listed on the Australian Inventory of Chemical Substances (AICS). |

16. Other Information

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| Date of preparation or last revision of SDS | SDS Reviewed: February 2014 Supersedes: May 2009 |
| Literature References | Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons. Australian Code for the Transport of Dangerous Goods by Road & Rail. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. Workplace exposure standards for airborne contaminants, Safe work Australia. American Conference of Industrial Hygienists (ACGIH). Globally Harmonised System of classification and labelling of chemicals. |
| Contact Person/Point | Technical Support: 1800 812 864 ...End Of MSDS... |

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