

Infosafe No™ LPYCK	Issue Date : May 2014	ISSUED by PARCHEMD
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Product Name : **EMER-PROOF HD & HDPE**

## 1. Identification

<b>GHS Product Identifier</b>	EMER-PROOF HD & HDPE
<b>Company Name</b>	Parchem Construction Supplies Pty Ltd (ABN ABN 80 069 961)
<b>Address</b>	7 Lucca Road Wyong NSW 2259 Australia
<b>Telephone/Fax Number</b>	Tel: 02 4350 5000 Fax: 02 4351 2024
<b>Emergency phone number</b>	Australia 1800 638 556 and New Zealand 0800 154 666 (both available 24/7)
<b>Recommended use of the chemical and restrictions on use</b>	Polymer modified bituminous, self-adhesive sheet applied as waterproof membrane.
<b>Other Information</b>	<p>Distributed in New Zealand by:</p> <p>Concrete Plus 23 Watts Road Sockburn New Zealand Tel: (03) 343 0090 Fax: (03) 343 0202</p> <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>Australia: <a href="http://www.parchem.com.au">www.parchem.com.au</a> New Zealand: <a href="http://www.parchem.co.nz">www.parchem.co.nz</a></p>

## 2. Hazard Identification

<b>Classification of the substance or mixture</b>	<p>Not 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>
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## 3. Composition/information on ingredients

<b>Chemical Characterization</b>	Solid		
<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Asphalt	8052-42-4	60-70 %
	Distillates, petroleum, solvent refined heavy naphthenic	64741-96-4	10-12 %
	Styrene, 1,3- butadiene polymer	9003-55-8	8-11 %
	2,6-Di-tert-butyl-4-methyl phenol	128-37-0	0-<1 %
	Ingredient determined not to be hazardous	Not required	Balance

## 4. First-aid measures

<b>Inhalation</b>	Not considered a potential route of exposure. However, if inhaled, remove
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<b>Ingestion</b>	affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.
<b>Skin</b>	Not considered a potential route of exposure for intact product, when used as intended.
<b>Eye contact</b>	Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
<b>First Aid Facilities</b>	Not considered a potential route of exposure. However 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. If symptoms develop and persist seek medical attention.
<b>Advice to Doctor</b>	Eyewash and normal washroom facilities.
<b>Other Information</b>	Treat symptomatically.
	For advice in an emergency, contact a Poisons Information Centre (Phone: Australia 131 126; New Zealand 0800 764 766) or a doctor.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use water spray, carbon dioxide, dry chemical or foam.
<b>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.
<b>Specific hazards arising from the chemical</b>	Combustible. This product will readily burn under fire conditions.
<b>Decomposition Temp.</b>	Not available
<b>Precautions in connection with Fire</b>	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear appropriate personal protective equipment and clothing to prevent exposure. Collect the material and place into a suitable labelled container. 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

<b>Precautions for Safe Handling</b>	Avoid inhalation of dust, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust/fumes in the work atmosphere. Establish good housekeeping practices. Remove dust accumulations on a regular basis by vacuuming or gentle sweeping to avoid creating dust clouds. Maintain high standards of personal hygiene i.e. by washing hands prior to eating, drinking, smoking or using toilet facilities.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, dry, well-ventilated area, out of direct sunlight. Ensure that storage conditions comply with applicable local and national regulations.

## 8. Exposure controls/personal protection

<b>Occupational exposure limit values</b>	No exposure value assigned for this material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below: Safe Work, Australia Exposure Standards:				
	Substance	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
	Asphalt	-	5	-	-
	2,6-Di-tert-butyl-4-methyl phenol	-	10	-	-
	Dust not otherwise specified	-	10	-	-

TWA (Time Weighted Average): The average airborne concentration of a

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<b>Biological Limit Values</b>	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. No biological limits allocated.
<b>Appropriate engineering controls</b>	Use with good general ventilation. If dust/fumes are produced local exhaust ventilation should be used.
<b>Respiratory Protection</b>	Not required under normal conditions of use. However, 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.
<b>Eye Protection</b>	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.
<b>Hand Protection</b>	Wear gloves of impervious material. 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.
<b>Body Protection</b>	Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. Physical and chemical properties

<b>Form</b>	Solid
<b>Appearance</b>	Self-adhesive laminated sheet.
<b>Colour</b>	Dark colour
<b>Odour</b>	Characteristic
<b>Decomposition Temperature</b>	Not available
<b>Melting Point</b>	>105°C
<b>Boiling Point</b>	>300°C
<b>Solubility in Water</b>	Insoluble
<b>Specific Gravity</b>	1.02-1.03 (25°C)
<b>pH</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (Air=1)</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Odour Threshold</b>	Not available
<b>Viscosity</b>	Not available
<b>Volatile Component</b>	VOC: <50g/l
<b>Partition Coefficient: n-octanol/water</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Combustible solid.
<b>Auto-Ignition Temperature</b>	Not available
<b>Explosion Limit - Upper</b>	Not available

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<b>Explosion Limit - Lower</b>	Not available
<b>Explosion Properties</b>	Not available
<b>Oxidising Properties</b>	Not available

## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid</b>	Dust accumulation, heat and other sources of ignition. Avoid direct exposure to solvents.
<b>Incompatible Materials</b>	Strong oxidising agents. Reducing agents, strong solvents, strong acids and alkalis.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide, carbon dioxide, carbon particles and hydrocarbons.
<b>Possibility of hazardous reactions</b>	Reacts with incompatible materials.

## 11. Toxicological Information

<b>Toxicology Information</b>	No toxicology data available for this product.
<b>Ingestion</b>	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
<b>Inhalation</b>	No adverse effects expected. In case of extreme exposure to fumes, irritation of upper respiratory tract, coughing and congestion may occur.
<b>Skin</b>	May cause abrasive irritation in contact with the skin, which can result in redness, itching and possible dermatitis.
<b>Eye</b>	Eye contact may cause mechanical irritation. May result in mild abrasion.
<b>Respiratory sensitisation</b>	Not expected to be a respiratory sensitiser.
<b>Skin Sensitisation</b>	Not expected to be a skin sensitiser.
<b>Germ cell mutagenicity</b>	Not considered to be a mutagenic hazard.
<b>Carcinogenicity</b>	Not considered to be a carcinogenic hazard.
<b>Reproductive Toxicity</b>	Asphalt is listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC). Styrene, 1,3- butadiene polymer and 2,6-Di-tert-butyl-4-methyl phenol are listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC). Not considered to be toxic to reproduction.
<b>STOT-single exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>STOT-repeated exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>Aspiration Hazard</b>	Not considered to be an aspiration hazard.

## 12. Ecological information

<b>Ecotoxicity</b>	No ecological data are available for this material. May cause harmful effects to aquatic life.
<b>Persistence and degradability</b>	Not biodegradable
<b>Mobility</b>	Non mobile solid.
<b>Bioaccumulative Potential</b>	Not available
<b>Other Adverse Effects</b>	Not available

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**Environmental Protection** Prevent this material entering waterways, drains and sewers.

### 13. Disposal considerations

**Disposal Considerations** The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

### 14. Transport information

**Transport Information** Road and Rail Transport  
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

**Regulatory Information** Not 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

**National and or International Regulatory Information** New Zealand:  
Not 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 NZS 5433:2012 Transport of Dangerous Goods on Land.  
All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempted.

**AICS (Australia)** All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).

### 16. Other Information

**Date of preparation or last revision of SDS** MSDS Reviewed: May 2014 Supersedes: January 2011

**Literature References** Australia (GHS):  
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.

New Zealand:  
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)

**Contact Person/Point** Technical Support: 1800 812 864

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