

Infosafe No™ LPT1G	Issue Date : February 2014	ISSUED by PARCHEMC
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Product Name : **EMER-GARD PRIMER TYPE 2**

Classified as hazardous

1. Identification

GHS Product Identifier	EMER-GARD PRIMER TYPE 2
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	Quick drying anti-corrosion primer.
Other Information	<p>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.</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

Classification of the substance or 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>Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)</p> <p>Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2 Aspiration Hazard: Category 1 Flammable Liquids: Category 3 Eye Damage/Irritation: Category 2A Skin Corrosion/Irritation: Category 2 STOT Single Exposure Category 3 (narcotic)</p>
Signal Word (s)	Danger
Hazard Statement (s)	<p>H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.</p>
Pictogram (s)	Exclamation mark, Flame, Health hazard, Environment
Precautionary statement – Prevention	<p>P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting/equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge.</p>



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Precautionary statement – Response

P261 Avoid breathing mist/vapours/spray.
 P264 Wash hands and skin thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 INHALATION
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 INGESTION
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P331 Do NOT induce vomiting.
 SKIN
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 EYE
 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.
 OTHER
 P370+P378 In case of fire: Use alcohol-resistant foam, dry chemical or carbon dioxide for extinction.
 P391 Collect spillage.
Precautionary statement – Storage
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
Precautionary statement – Disposal
 P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Talc	14807-96-6	10-<30 %
	Zinc Oxide	1314-13-2	10-<25 %
	1,2,4- Trimethylbenzene	95-63-6	<10 %
	Aromatic hydrocarbon solvent	64742-95-6	<10 %
	Cumene	98-82-8	<5 %
	1,2,3-trimethylbenzene	526-73-8	<5 %
	Ethanol	64-17-5	<5 %
	Propylbenzene	103-65-1	<5 %
	Xylene	1330-20-7	<5 %
	White spirits	8052-41-3	<5 %
	1,3,5-Trimethylbenzene	108-67-8	<5 %
	Petroleum distillates	64741-44-2	<1 %
	2-(2-Butoxyethoxy) ethanol	112-34-5	<1 %
	Isobutyl alcohol	78-83-1	<1 %
	solvent naphtha petroleum, medium aliphatic	64742-88-7	<1 %
	Methyl ethyl ketoxime	96-29-7	<1 %
	Kerosene	8008-20-6	<1 %
	1-Methoxy-2-propanol	107-98-2	<1 %
	Crystalline Silica	14808-60-7	<1 %
	2-Propanol	67-63-0	<1 %
	Ingredients determined not to be hazardous.		Balance

4. First-aid measures

Inhalation Remove the source of contamination or move the affected person to fresh air. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion Do NOT induce vomiting. Wash out mouth and lips with water. Where vomiting

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Skin	occurs naturally have affected person place head below hip level in order to reduce risk of aspiration. Seek immediate medical attention.
Eye contact	Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.
First Aid Facilities	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.
Advice to Doctor	Eye wash and normal washroom facilities.
Other Information	Treat symptomatically.
	For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media	Use carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred. If not available normal foam can be used.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Specific hazards arising from the chemical	Flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.
Hazchem Code	•3Y
Decomposition Temp.	Not available
Precautions in connection with Fire	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.
Other Information	Do not use water jet.

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 contact with skin and eyes. Wear overalls, impervious gloves and safety glasses. Use in designated areas with local exhaust ventilation, away from sparks, flames and other ignition sources. Use approved flammable liquid storage containers in the work area. Prevent release of vapours and mists into workplace air. Keep containers tightly closed. Take precautionary measures against static discharges. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations. 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.

8. Exposure controls/personal protection

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Occupational exposure limit values 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		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Xylene	80	350	150	655	-
White spirit	-	790	-	-	-
Cumene	25	125	75	375	Sk
Ethanol	1000	1800	-	-	-
Talc	-	2.5	-	-	-
Crystalline silica	-	0.1	-	-	-
Zinc oxide	-	10	-	-	-
Oil mist, refined	-	5	-	-	-
Isopropyl alcohol	400	983	500	1230	-
Isobutyl alcohol	50	152	-	-	-
1-Methoxy-2-propanol	100	369	150	553	-

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.

'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

Biological Limit Values

Determinant	Value	Sampling time
XYLENE		
Methylhippuric acids (Creatinine in urine)	1.5 g/g	End of shift

2-PROPANOL

Acetone in urine 40 mg/L End of shift at end of workweek

Appropriate engineering controls

Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof local exhaust ventilation system is required. Refer to AS1940 - The storage and handling of flammable and combustible liquids and AS2430 - Explosive gas atmospheres 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/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 face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances ie. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform to Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.

Hand Protection

Impervious gloves recommended such as laminated film or nitrile. Final choice of appropriate gloves will vary according to individual circumstances ie. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.

Body Protection

Suitable work wear should be worn to protect personal clothing, eg cotton overalls buttoned at neck and wrist.

9. Physical and chemical properties

Appearance	Liquid
Colour	Red/brown
Odour	Mild solvent

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Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	137-143°C (for Xylene)
Solubility in Water	Insoluble
Solubility in Organic Solvents	Not available
Specific Gravity	1.37 (23°C)
pH	Not applicable
Vapour Pressure	5.2 kPa at 38°C (for Xylene)
Vapour Density (Air=1)	3.7 (for Xylene)
Evaporation Rate	0.70 (n-Butyl acetate=1) (for Xylene)
Odour Threshold	Not available
Viscosity	Not available
Partition Coefficient: n-octanol/water	Not available
Flash Point	27°C (Pensky Martens Closed Cup)
Flammability	Flammable liquid
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	0.75%
Flammable Limits - Upper	7.0%

10. Stability and reactivity

Reactivity	Will react with incompatibles.
Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Heat and other sources of ignition.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	No toxicity data are available for this specific product, however the data available for the ingredients are given below.
Acute Toxicity - Oral	For Xylene: LD50 (Rat): 4,300 mg/kg
Acute Toxicity - Dermal	For Xylene: LD50 (Rabbit): 4,500 mg/kg
Acute Toxicity - Inhalation	For Xylene: LC50 (Rat): 5,000 ppm/4h
Ingestion	May be fatal if swallowed and enters airways. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause severe pulmonary injury that may lead to death. May cause irritation to the mouth, throat, esophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.
Inhalation	May cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms include sneezing, coughing,

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	wheezing, shortness of breath, headache, dizziness, drowsiness nausea and vomiting.
Skin	Causes skin irritation. May result in redness and itchiness. Prolonged contact may cause defatting and drying of the skin.
Eye	Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
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. Cumene is listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC). Crystalline silica is listed as a Group 1: Carcinogenic to humans according to International Agency for Research on Cancer (IARC). Xylene, talc and isopropyl alcohol listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	May cause drowsiness or dizziness.
Aspiration Hazard	May be fatal if swallowed and enters airways.

12. Ecological information

Ecotoxicity	Toxic to aquatic life with long lasting effects.
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. Labels should not be removed from containers until they have been cleaned. Advise flammable nature. Empty containers may contain flammable residues. Do not puncture, cut or weld on or near empty containers. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected.
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14. Transport information

Transport Information	This material is Dangerous Goods Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition) Class 3 - Flammable Liquids are incompatible in a placard load with any of the following: - Class 1, Explosives - Division 2.1, Flammable Gases, (Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L.) - Division 2.3, Toxic Gases - Division 4.2 Spontaneously Combustible Substances - Division 5.1 Oxidising substances and Division 5.2, Organic Peroxides
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- Class 6 Toxic or Infectious Substances (where the flammable liquid is nitromethane)
- Class 7 Radioactive Substances.

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No.: 1263

Proper Shipping Name: PAINT RELATED MATERIAL (ZINC OXIDE) MARINE POLLUTANT

Class: 3

Packaging Group: III

EMS No.: F-E, S-E

Special Provision(s): 163 223 955

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No.: 1263

Proper Shipping Name: PAINT RELATED MATERIAL

Class: 3

Packaging Group: III

Label: Flammable Liquid

Packaging Instructions (passenger & cargo): 355

Packaging Instructions (cargo only): 366

Special Provision(s): A3 A72

1263

U.N. Number

UN proper shipping name

PAINT RELATED MATERIAL

Transport hazard class(es)

3

Hazchem Code

•3Y

Packing Group

III

EPG Number

3C1

IERG Number

14

IMDG Marine pollutant

Yes

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

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule

S5

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

SDS Reviewed: February 2014

Supersedes: July 2004, April 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

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