

Infosafe No™ LQ336 Issue Date : February 2014 ISSUED by PARCHEMN

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 0800 154 666 (available 24/7)

Recommended use of the chemical and restrictions on use Quick drying anti-corrosion primer.

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 Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

HSNO Classification:

3.1C - Flammable liquids: medium hazard
6.1E (Aspiration hazard 1) - Substance that is acutely toxic
6.3B - Substance that is mildly irritating to the skin
6.4A - Substance that is irritating to the eyes
6.5B - Substance that is a contact sensitiser
6.7B - Substance that is a suspected human carcinogen
6.8B - Substance that is suspected to be a human reproductive or developmental toxicant
6.9B (Single exposure) - Substance that is harmful to human target organs or systems
9.1B - Substance that is ecotoxic in the aquatic environment

Signal Word (s) Danger

Hazard Statement (s) H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H316 Causes mild skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.

Infosafe No™ LQ336	Issue Date : February 2014	ISSUED by PARCHEMN
--------------------	----------------------------	--------------------

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Pictogram (s)

 H371 May cause damage to organs.
 H411 Toxic to aquatic life with long lasting effects.
 Exclamation mark, Flame, Health hazard, Environment

Precautionary statement – Prevention

 P102 Keep out of reach of children.
 P103 Read label before use.
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 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.
 P260 Do not breathe mist/vapours/spray.
 P264 Wash hands and skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/eye protection/face protection.
 P281 Use personal protective equipment as required.

Precautionary statement – Response

 GENERAL
 P101 If medical advice is needed, have product container or label at hand.
 P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
 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.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P363 Wash contaminated clothing before reuse.
 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.

Precautionary statement – Storage

 OTHER
 P370+P378 In case of fire: Use carbon dioxide, dry chemical or alcohol-resistant foam for extinction.
 P391 Collect spillage.
 P405 Store locked up.

Precautionary statement – Disposal

 P403+P235 Store in a well-ventilated place. Keep cool.
 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

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 %

Infosafe No™ LQ336

Issue Date : February 2014

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Product Name : **EMER-GARD PRIMER TYPE 2**

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Ingredients	Name	CAS	Proportion
	Cumene	98-82-8	<5 %
	1,2,3-trimethylbenzene	526-73-8	<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 %
	Ethanol	64-17-5	<5 %
	Petroleum distillates	64741-44-2	<1 %
	2-(2-Butoxyethoxy)	112-34-5	<1 %
	ethanol		
	Isobutyl alcohol	78-83-1	<1 %
	Methyl ethyl ketoxime	96-29-7	<1 %
	Kerosene	8008-20-6	<1 %
	1-Methoxy-2-propanol	107-98-2	<1 %
	solvent naphtha	64742-88-7	<1 %
	petroleum, medium		
	aliphatic		
	Crystalline Silica	14808-60-7	<1 %
	2-Propanol	67-63-0	<1 %
	Ingredients determined		Balance
	not to be hazardous.		

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 occurs naturally have affected person place head below hip level in order to reduce risk of aspiration. Seek immediate 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. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.
First Aid Facilities	Eye wash and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre (Phone New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media	Use carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred.
Unsuitable Extinguishing Media	If not available normal foam can be used. Do not use water jet.
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.

6. Accidental release measures

Infosafe No™ LQ336

Issue Date : February 2014

ISSUED by PARCHEMN

 Product Name : **EMER-GARD PRIMER TYPE 2**

Classified as hazardous

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 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. Reference should also be made to all applicable local and national regulations.

8. Exposure controls/personal protection
Occupational exposure limit values

No exposure value assigned for this material by the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, the available exposure limits for ingredients are listed below:

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

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Xylene	50	217	-	-	-
White spirit	100	525	-	-	-
Cumene	25	125	75	375	Sk
Ethanol	1000	1800	-	-	-
Talc	-	2 (Respirable dust)	-	-	-
Crystalline silica	-	0.2 (Respirable dust)	-	-	-
Zinc oxide	-	10	-	-	-
Oil mist, refined	-	5	-	10	-
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

Infosafe No™ LQ336	Issue Date : February 2014	ISSUED by PARCHEMN
--------------------	----------------------------	--------------------

 Product Name : **EMER-GARD PRIMER TYPE 2**

Classified as hazardous

Appropriate engineering controls	2-PROPANOL Acetone in urine 40 mg/L End of shift at end of workweek 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
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%

Infosafe No™ LQ336	Issue Date : February 2014	ISSUED by PARCHEMN
--------------------	----------------------------	--------------------

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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, wheezing, shortness of breath, headache, dizziness, drowsiness, nausea and vomiting.
Skin	Causes mild skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis. May cause an allergic skin reaction.
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	May cause an allergic skin reaction.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Carcinogenicity	Suspected of causing cancer. Classified as a suspected human carcinogen. 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	Suspected of damaging fertility or the unborn child. Classified as a suspected human reproductive or developmental toxicant.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	May cause damage to organs through ingestion and inhalation.
Aspiration Hazard	May be fatal if swallowed and enters airways.

Infosafe No™ LQ336 Issue Date : February 2014 ISSUED by PARCHEMN

Product Name : EMER-GARD PRIMER TYPE 2

Classified as hazardous

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	Do not discharge this material into waterways, drains and sewers.

13. Disposal considerations

Disposal Considerations	<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 solvent-based, flammable substance and therefore can be sent to an approved high temperature incineration plant for disposal. Large volumes may be re-distilled by solvent recovery contractors. 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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
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14. Transport information

Transport Information	<p>New Zealand: This material is classified as Dangerous Goods Class 3 - Flammable Liquid according to NZS 5433:2012 Transport of Dangerous Goods on Land. Must not be loaded in the same freight container or on the same vehicle with:</p> <ul style="list-style-type: none">- Class 1, Explosives- Division 2.1, Flammable gases- Division 2.3, Toxic gases- Division 4.2, Spontaneously combustible substances- Division 5.1, Oxidising substances- Division 5.2, Organic peroxides or- Class 7, Radioactive materials unless specifically exempted. <p>Must not be loaded with in the same freight container; and on the same vehicle must be separated horizontally by at least 3 metres unless all but one are packed in separate freight containers with:</p> <ul style="list-style-type: none">- Division 4.3, Dangerous when wet substances <p>Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices with:</p> <ul style="list-style-type: none">- Division 4.2, Spontaneously combustible substances- Division 4.3, Dangerous when wet substances
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Infosafe No™ LQ336	Issue Date : February 2014	ISSUED by PARCHEMN
--------------------	----------------------------	--------------------

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Classified as hazardous

- Division 5.1, Oxidising substances
- Division 5.2, Organic peroxides

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

National and or International Regulatory Information

New Zealand:

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:

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2006

HSNO Approval Number

HSR002669

16. Other Information

Date of preparation or last revision of SDS

SDS Created: February 2014

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).

Contact Person/Point

Technical Support: 1800 812 864

...End Of MSDS...

Infosafe No™ LQ336	Issue Date : February 2014	ISSUED by PARCHEMN
--------------------	----------------------------	--------------------

Product Name : **EMER-GARD PRIMER TYPE 2**

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