

Infosafe No™ LQ365 Issue Date : March 2014 ISSUED by PARCHEMN

Product Name : LUSTRESEAL SUPERBOND PRIMER

Classified as hazardous

## 1. Identification

**GHS Product Identifier** LUSTRESEAL SUPERBOND PRIMER

**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** To protect a range of surfaces with particular emphasis on stamped, sprayed, pigmented and modified concretes.

**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](http://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.

Classification:

3.1C - Flammable liquids: medium hazard  
6.1D - (Dermal) - Substance that is acutely toxic  
6.1E - (Aspiration hazard 1) - Substance that is acutely toxic  
6.1E - (Inhalation - vapours, dusts or mists) - Substance that is acutely toxic  
6.1E - (Oral) - Substance that is acutely toxic  
6.3A - Substance that is irritating to the skin  
6.4A - Substance that is irritating to the eyes  
6.8B - Substance that is suspected to be a human reproductive or developmental toxicant  
6.9B - (Repeated exposure) - Substance that is harmful to human target organs or systems  
9.1B - Substance that is ecotoxic in the aquatic environment  
9.3C - Substance that is harmful to terrestrial vertebrates

**Signal Word (s)** Danger

**Hazard Statement (s)** H226 Flammable liquid and vapour.  
H303 May be harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.

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**General  
Precautionary  
Statement (s)  
Pictogram (s)**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H333 May be harmful if inhaled.  
H361 Suspected of damaging fertility or the unborn child .  
H373 May cause damage to organs through prolonged or repeated exposure via ingestion and/or inhalation.  
H411 Toxic to aquatic life with long lasting effects.  
H433 Harmful to terrestrial vertebrates.  
P101 If medical advice is needed, have product container or label at hand  
P102 Keep out of reach of children.  
P103 Read label before use.  
Flame, Health hazard, Exclamation mark, Environment



**Precautionary  
statement –  
Prevention**

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.  
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 dust/fume/gas/mist/vapours/spray  
P264 Wash contaminated skin thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary  
statement – Response**

P281 Use personal protective equipment as required.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P331 Do NOT induce vomiting.  
P308+P313 IF exposed or concerned: Get medical advice/ attention.  
P370+P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction. Alcohol resistant foam is preferred. If not available normal foam can be used.  
P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P391 Collect spillage.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

**Precautionary  
statement – Storage**

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.  
P362 Take off contaminated clothing and wash before re-use.  
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.  
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
	Xylene	1330-20-7	50-70 %

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Ingredients	Name	CAS	Proportion
	Solvent naphtha (petroleum), light aromatic	64742-95-6	20-25 %
	Ingredients determined not to be hazardous.		Balance

#### 4. First-aid measures

<b>Inhalation</b>	If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
<b>Ingestion</b>	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.
<b>Skin</b>	Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.
<b>Eye contact</b>	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. Seek medical attention.
<b>First Aid Facilities</b>	Eyewash, safety shower and normal washroom facilities.
<b>Advice to Doctor</b>	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Other Information</b>	For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (0800 764 766)

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred. If not available normal foam can be used.
<b>Unsuitable Extinguishing Media</b>	Do not use water jet.
<b>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide.
<b>Specific hazards arising from the chemical</b>	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.
<b>Hazchem Code</b>	•3Y
<b>Decomposition Temp.</b>	Not available
<b>Precautions in connection with Fire</b>	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. 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. 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

<b>Precautions for Safe Handling</b>	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
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**Conditions for safe storage, including any incompatibilities**

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. Avoid exposure. Do not handle until all safety precautions have been read and understood. It is recommended that pregnant or breastfeeding women should not handle this product unless adequate exposure protection can be assured at all times. Female personnel planning pregnancy should be made aware of the potential risks.

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**

**Occupational exposure limit values**

No exposure value assigned for this material by 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 <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Xylene	50	217	-	-	-

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**

Name: XYLENE [1330-20-7]  
 Determinant: Methylhippuric acids  
 Specimen: Creatinine in urine  
 Value: 1.5 g/g  
 Sampling time: End of shift

**Appropriate engineering controls**

Source: American Conference of Industrial Hygienists (ACGIH)  
 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 60079.10.1:2009 Explosive atmospheres - Classification of areas - 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 vapor/ mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian 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, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should

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<b>Hand Protection</b>	conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications. 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. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
<b>Body Protection</b>	Suitable protective workwear, 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>Appearance</b>	Clear, colourless viscous liquid.
<b>Colour</b>	Colourless
<b>Odour</b>	Aromatic solvent
<b>Decomposition Temperature</b>	Not available
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	136 - 182°C
<b>Solubility in Water</b>	Immiscible
<b>Specific Gravity</b>	0.91
<b>pH</b>	Not available
<b>Vapour Pressure</b>	8 - 12 hPa (25°C) (Solvent)
<b>Vapour Density (Air=1)</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Odour Threshold</b>	Not available
<b>Partition Coefficient: n-octanol/water</b>	Not available
<b>Flash Point</b>	24°C
<b>Flammability</b>	Flammable liquid
<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	0.01% (Volume)
<b>Flammable Limits - Upper</b>	7.0% (Volume)
<b>Dynamic Viscosity</b>	10 - 30 mPa.s (at 25°C)

## 10. Stability and reactivity

<b>Reactivity</b>	Refer to Sec 10: Possibility of hazardous reactions
<b>Reactivity and Stability</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid</b>	Heat, open flames and other sources of ignition.
<b>Incompatible Materials</b>	Strong oxidising agents.
<b>Hazardous Decomposition Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

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## 11. Toxicological Information

<b>Toxicology Information</b>	No toxicity data available for this material. The available acute toxicity data for the ingredients are given below.
<b>Acute Toxicity - Oral</b>	Xylene (mixed isomers): LD50 (Rat): 4,300 mg/kg Solvent naphtha (petroleum), light aromatic: LD50 (Rat): 8,400 mg/kg
<b>Acute Toxicity - Dermal</b>	Xylene (mixed isomers): LD50 (Rabbit): >1,700 mg/kg
<b>Acute Toxicity - Inhalation</b>	Xylene (mixed isomers): LC50 (Rat): 5,000 ppm/4h
<b>Ingestion</b>	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.
<b>Inhalation</b>	May be harmful if inhaled. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system.
<b>Skin</b>	Harmful in contact with skin. Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.
<b>Eye</b>	Product can be absorbed through skin with resultant harmful systemic effects. Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
<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>	Xylene is listed as a Group 3 Carcinogen: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).
<b>Reproductive Toxicity</b>	Suspected of damaging fertility or the unborn child. Classified as a suspected human reproductive or developmental toxicant.
<b>STOT-single exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>STOT-repeated exposure</b>	May cause damage to organs through prolonged exposure if swallowed and/or if inhaled.
<b>Aspiration Hazard</b>	May be fatal if swallowed and enters airways.

## 12. Ecological information

<b>Ecotoxicity</b>	Toxic to aquatic life with long lasting effects. Harmful to terrestrial vertebrates.
<b>Persistence and degradability</b>	Not available
<b>Mobility</b>	Not available
<b>Bioaccumulative Potential</b>	Not available
<b>Other Adverse Effects</b>	Not available
<b>Environmental Protection</b>	Do not discharge this material into waterways, drains and sewers.
<b>Acute Toxicity - Fish</b>	Xylene (mixed isomers): LC50 (Fathead minnow): 13.4 mg/L/96h

## 13. Disposal considerations

<b>Disposal Considerations</b>	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
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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.

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 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.

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**

This material is classified as Dangerous Goods Class 3 - Flammable Liquid. Must not be loaded in the same freight container or on the same vehicle with:

- 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.

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:

- Division 4.3, Dangerous when wet substances

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:

- Division 4.2, Spontaneously combustible substances
- Division 4.3, Dangerous when wet substances
- 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.

Class/Division: 3

UN No: 1866

Proper Shipping Name: RESIN SOLUTION (Solvent naphtha (petroleum), light aromatic) MARINE POLLUTANT

Packing Group: III

EMS : F-E,S-E

Special Provisions: 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.

Class/Division: 3

UN No: 1866

Proper Shipping Name: Resin solution

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	Packing Group: III
	Packaging Instructions (cargo only): 366
	Packaging Instructions (passenger & cargo): 355
	Hazard Label: Flammable liquid
	Special Provisions: A3
<b>U.N. Number</b>	1866
<b>UN proper shipping name</b>	RESIN SOLUTION
<b>Transport hazard class(es)</b>	3
<b>Hazchem Code</b>	•3Y
<b>Special Precautions for User</b>	Not available
<b>Packing Group</b>	III
<b>EPG Number</b>	3A1
<b>IERG Number</b>	14
<b>IMDG Marine pollutant</b>	Yes
<b>Transport in Bulk</b>	Not available

## 15. Regulatory information

<b>Regulatory Information</b>	Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Group Standard: Surface Coatings and Colourants (Flammable) Group Standard 2006
<b>HSNO Approval Number</b>	HSR002662

## 16. Other Information

<b>Date of preparation or last revision of SDS</b>	SDS Created: March 2014
<b>Literature References</b>	-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.
<b>Contact Person/Point</b>	-American Conference of Industrial Hygienists (ACGIH) Technical Support: 1800 812 864  ...End Of MSDS...

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