



# parchem

## SAFETY DATA SHEET

### LUSTRESEAL EXTENDED WEAR PLUS

Infosafe No.: LQ10T  
Version No.: 1.0  
ISSUED Date: 22/08/2013  
ISSUED BY Parchem Construction  
Supplies Pty Ltd

CLASSIFIED AS HAZARDOUS

#### 1. IDENTIFICATION

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**GHS Product Identifier**

LUSTRESEAL EXTENDED WEAR PLUS

**Product Code****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**

Coatings applications.

**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

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### GHS classification of the substance/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

6.1D - Substance that is acutely toxic (Dermal)

6.1D - Substance that is acutely toxic (Inhalation – vapours, dusts or mists)

6.1E - Substance that is acutely toxic (Oral)

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 - Substance that is harmful to human target organs or systems (Repeated exposure)

9.1B - Substance that is ecotoxic in the aquatic environment

9.3C - Substance that is harmful to terrestrial vertebrates

### Signal Word (s)

WARNING

### Hazard Statement (s)

H226 Flammable liquid and vapour.

H303 May be harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure (by ingestion, by inhalation).

H411 Toxic to aquatic life with long lasting effects.

H433 Harmful to terrestrial vertebrates.

### Pictogram (s)

Flame, Exclamation mark, 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 dust/fume/gas/mist/vapours/spray.
- P264 Wash 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.

### **Precautionary statement – Response**

#### GENERAL:

- P101 If medical advice is needed, have product container or label at hand.
- P314 Get medical advice/attention if you feel unwell.
- 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.

#### INGESTION:

- P331 Do NOT induce vomiting.
- P308+P313 IF exposed or concerned: Get medical advice/ attention.

#### INHALATION:

- P304+P340 IF INHALED: Remove 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.
- P331 Do NOT induce vomiting.

#### EYES:

- 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.

#### SKIN:

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P332+P313 If skin irritation occurs: Get medical advice/ attention.
- P362 Take off contaminated clothing and wash before re-use.

#### OTHER:

- P391 Collect spillage.

### **Precautionary statement – Storage**

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

P405 Store locked up.

### Precautionary statement – Disposal

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

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### Composition, information on ingredients

Acrylic resin solution.

#### Ingredients

Name	CAS	Proportion
Xylene	1330-20-7	35-<50 %
Solvent naphtha (petroleum), light aromatic	64742-95-6	25-35 %
Ingredients determined not to be hazardous.		Balance

## 4. FIRST-AID MEASURES

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### Inhalation

If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

### Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

### Skin

Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash 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 out completely. Seek medical attention.

### First Aid Facilities

Eye wash, safety shower 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

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### **Suitable Extinguishing Media**

Use carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred. If not available normal foam can be used.

### **Unsuitable Extinguishing Media**

DO NOT USE water jets.

### **Hazards from Combustion Products**

Under fire conditions this product may emit toxic and/or irritating fumes and gases 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 Temperature**

Not available

### **Precautions in connection with Fire**

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

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### **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

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### **Precautions for Safe Handling**

Avoid contact with skin and eyes. Wear overalls, impervious gloves and safety glasses. Use in designated areas with adequate ventilation. Use approved flammable liquid storage containers in the work area. Prevent release of vapours and mists into workplace air. Keep containers closed when not in use. Take precautionary measures against static discharges. Keep material away from sparks, flames and other ignition sources. 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 and 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. 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

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### Occupational exposure limit values

No exposure value assigned for this specific material by 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

Biological Exposure Indices (BEI) from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:

Determinant	Sampling Time	Biological Exposure Indices (BEI)
XYLENE [1330-20-7]		
Methylhippuric acids in urine	End of shift	1.5g/g creatinine

### Appropriate Engineering Controls

Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. 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 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 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.

**Body Protection**

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**

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**Appearance**

Clear, colourless liquid

**Odour**

Aromatic odour

**Decomposition Temperature**

Not available

**Melting Point**

Not available

**Boiling Point**

160°C (approximate)

**Solubility in Water**

Not available

**Specific Gravity**

Not available

**pH**

Not available

**Vapour Pressure**

1.0 kPa (20°C) (Solvent, based on xylene)

**Vapour Density (Air=1)**

Not available

**Evaporation Rate**

Not available

**Odour Threshold**

Not available

**Partition Coefficient: n-octanol/water**

Not available

**Density**

0.93 g/cm<sup>3</sup>

**Flash Point**

24°C

**Flammability**

Flammable

**Auto-Ignition Temperature**

Not available

**Flammable Limits - Lower**

0.6%

**Flammable Limits - Upper**

7.1%

**Dynamic Viscosity**

75 cPs

## 10. STABILITY AND REACTIVITY

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**Reactivity**

Reacts with incompatibles materials.

**Chemical Stability**

Stable under normal conditions of storage and handling.

**Conditions to Avoid**

Heat, flames and other ignition sources.

**Incompatible materials**

Strong oxidising agents.

**Hazardous Decomposition Products**

Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.

**Hazardous Polymerization**

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

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**Toxicology Information**

No toxicity data available for this material. The available acute toxicity data for the ingredients is given below:

**Acute Toxicity - Oral**

Acute toxicity data for Xylene:

LD50 (Rat): 4,300 mg/kg



Acute toxicity data for Solvent naphtha (petroleum), light aromatic:

LD50 (Rat): 8,400 mg/kg

#### **Acute Toxicity - Inhalation**

Acute toxicity data for Xylene:

LC50 (Rat): 5,000 ppm/4h

#### **Acute Toxicity - Dermal**

Acute toxicity data for Xylene:

LD50 (Rabbit): > 1,700 mg/kg

#### **Ingestion**

May be harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

#### **Inhalation**

Harmful if inhaled. Irritating to respiratory system. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system.

#### **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.

Harmful in contact with skin. Product can be absorbed through skin with resultant harmful systemic effects.

#### **Eye**

Causes serious eye irritation. 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**

Xylene is listed as a Group 3: Not classifiable as to its carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

#### **Reproductive Toxicity**

May damage fertility or the unborn child. Classified as a Known or presumed 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 prolonged or repeated exposure (by ingestion, by inhalation).

### **Aspiration Hazard**

Not expected to be a respiratory sensitiser.

## **12. ECOLOGICAL INFORMATION**

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### **Ecotoxicity**

Toxic to aquatic life with long lasting effects.

Harmful to terrestrial vertebrates.

### **Persistence and degradability**

Not available

### **Mobility**

Not available

### **Bioaccumulative Potential**

Not available

### **Environmental Protection**

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

### **Acute Toxicity - Fish**

Xylene (mixed isomers):

LC50 (Fathead minnow): 13.4 mg/L/96h

## **13. DISPOSAL CONSIDERATIONS**

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### **Disposal considerations**

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.

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

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### Transport Information

Road and Rail Transport:

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:

- 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.

UN No.: 1866

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

DG Class: 3

Packaging Group: III

EMS No.: 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.

UN No: 1866

Proper Shipping Name: Resin solution

Class: 3

Packing Group: III

Label: Flammable liquid

Packing Instruction: 355 (For passenger and cargo aircraft)

Packing Instruction: 366 (For cargo aircraft only)

Special provisions: A3

**U.N. Number**

1866

**UN proper shipping name**

RESIN SOLUTION

**Transport hazard class(es)**

3

**Packing Group**

III

**Hazchem Code**

•3Y

**EPG Number**

3A1

**IERG Number**

14

**IMDG Marine pollutant**

Yes

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**15. REGULATORY INFORMATION**

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**Regulatory information**

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

**HSNO Approval Number**

HSR002662

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**16. OTHER INFORMATION**

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**Date of preparation or last revision of SDS**

SDS amendment: November 2014 SECTION 14

SDS Reviewed: August 2013

Supersedes: September 2012

**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

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**END OF SDS**

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