

Infosafe No™ LPXBV

Issue Date : May 2008

ISSUED by PARCHEMC

Product Name : DURAFLOOR PU

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	DURAFLOOR PU
<b>Company Name</b>	Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)
<b>Address</b>	7 Lucca Road Wyong NSW 2259 Australia
<b>Emergency Tel.</b>	1800 638 556 (available 24/7)
<b>Telephone/Fax Number</b>	Tel: 02 4350 5000 Fax: 02 4351 2024
<b>Recommended Use</b>	Concrete and epoxy floor sealer.
<b>Other Information</b>	<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>www.parchem.com.au</p>

## 2. HAZARDS IDENTIFICATION

<b>Hazard Classification</b>	Australia: Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>Risk Phrase(s)</b>	R10 Flammable. R20/21 Harmful by inhalation and in contact with skin. R38 Irritating to skin. R42/43 May cause sensitisation by inhalation and skin contact
<b>Safety Phrase(s)</b>	S23(2) Do not breathe vapour. S23(3) Do not breathe spray. S24/25 Avoid contact with skin and eyes. S28 After contact with skin, wash immediately with plenty of soap and water. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S38 If insufficient ventilation, wear suitable respiratory equipment. S51 Use only in well ventilated areas.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Xylene	1330-20-7	30-60 %
	Ingredients determined not to be hazardous		Balance
	Propylene glycol monomethyl ether acetate	108-65-6	10-<20 %
	Methylene Bis-(4-cyclohexylisocyanate)	5124-30-1	0-<1 %

## 4. FIRST AID MEASURES

<b>Inhalation</b>	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
<b>Ingestion</b>	If swallowed, do NOT induce vomiting. Wash mouth thoroughly with water. Seek immediate medical attention.

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<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Ensure contaminated clothing is washed before re-use or discard. Seek medical attention.
<b>Eye</b>	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.
<b>First Aid Facilities</b>	Eye wash station, safety shower and normal washroom facilities.
<b>Advice to Doctor</b>	Treat symptomatically.
<b>Other Information</b>	For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 764 766) or a doctor at once.

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## 5. FIRE FIGHTING MEASURES

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<b>Suitable Extinguishing Media</b>	Foam, carbon dioxide or dry chemical powder.
<b>Hazards from Combustion Products</b>	Combustion products may include carbon monoxide, carbon dioxide, isocyanates and oxides of nitrogen.
<b>Specific Hazards</b>	Flammable liquid. Keep storage tanks, pipelines, fire exposed surfaces etc cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create a fire hazard. Heating can cause expansion or decomposition leading to violent rupture of containers. 3[Y]
<b>Hazchem Code</b>	
<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. Use water spray to cool storage containers and tanks, pipelines and fire-exposed surfaces.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>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 authorities and EPA in accordance with local regulations.
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## 7. HANDLING AND STORAGE

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<b>Precautions for Safe Handling</b>	Wear appropriate protective clothing and equipment to prevent inhalation, skin and eye contact. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Work from suitable, labelled, fire-resistant containers. Keep containers closed when not in use. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. Maintain a high level of personal hygiene when using the product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.
<b>Conditions for Safe Storage</b>	Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents, foodstuffs, clothing and out of direct sunlight. 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. 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 Local, State and Federal regulations.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>National Exposure Standards</b>	No exposure standards have been established for this material by the National Occupational Health & Safety Commission (NOHSC), Australia. However, exposure
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standards for ingredients are stated below:

National Occupational Health And Safety Commission (NOHSC), Australia Exposure Standards:

Substance NOTICES	TWA		STEL		
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Isocyanates, all (as -NCO)	-	0.02	-	0.07	Sen
Xylene	80	350	150	655	-
propylene glycol monomethyl ether acetate	100	548	50	274	Sk

Note: The above value for isocyanates apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust.

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.

'Sen' Notice: The substance may cause sensitisation by skin contact or by inhalation.

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

No biological limit allocated.

#### Biological Limit Values

#### 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 local exhaust ventilation system is required.

#### 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 laminated film, nitrile or other suitable gloves conforming to AS/NZS 2161: Occupational protective gloves.

#### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear amber liquid with an aromatic hydrocarbon odour.
Melting Point	Not available
Boiling Point	137-143°C (for Xylene)
Solubility in Water	Insoluble
Solubility in Organic Solvents	Soluble in most organic solvents.
Specific Gravity	0.98 (H2O=1)
Vapour Pressure	5.2 kPa at 38°C (for Xylene)
Vapour Density (Air=1)	3.7 (Air=1) (for Xylene)
Evaporation Rate	0.70 (n-Butyl acetate=1) (for Xylene)
Flash Point	29°C (PMCC)
Flammability	FLAMMABLE. This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition. Electrically

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link and ground metal containers for transfers of the product to prevent accumulation of static electricity. Keep the container tightly closed.

**Auto-Ignition** Not available

**Temperature**

**Flammable Limits - Lower** 1.1% (for Xylene)

**Flammable Limits - Upper** 7.7% (for Xylene)

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions of storage and handling.

**Conditions to Avoid** Heat, direct sunlight, open flames or other sources of ignition.

**Incompatible Materials** Strong oxidising agents, halogens and molten sulfur.

**Hazardous Decomposition Products** Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide, carbon dioxide, isocyanates and oxides of nitrogen.

**Hazardous Polymerization** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Toxicology Information** No toxicity data are available for this specific product. The available data for the ingredients are as follows:  
For Xylene:  
LD50 (Oral, Rat): 4,300 mg/kg  
LD50 (Dermal, Rabbit): 4,500 mg/kg  
LC50 (Inhalation, Rat): 5,000 ppm/4h  
Propylene glycol monomethyl ether acetate  
LD50 (Oral, Rat): 8,532 mg/kg  
LD50 (Dermal, Rabbit): >5,000 mg/kg

**Inhalation** Harmful by inhalation. High vapour concentrations are irritating to the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Inhalation may cause sensitisation in some individuals.

**Ingestion** Ingestion may cause nausea, vomiting and CNS depression with symptoms including drowsiness, dizziness, weakness, fatigue, headache, confusion and possible unconsciousness.

**Skin** Harmful in contact with skin. Irritating to skin. Symptoms may include redness and itchiness. Repeated exposure may cause skin dryness and cracking, and may lead to dermatitis. This product may cause sensitisation in some individuals.

**Eye** May cause irritation to eyes. Symptoms may include redness, tearing, stinging and swelling.

**Chronic Effects** Prolonged or repeated skin contact may cause defatting leading to dermatitis. Prolonged or repeated exposure may also damage the blood organs, lungs, liver, kidneys and nervous system.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Not available

**Persistence / Degradability** Not available

**Mobility** Not available

**Environ. Protection** Do not allow product to enter drains, waterways or 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 (ADG Code):  
This material is classified as Dangerous Goods, Class 3 - Flammable Liquid

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according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Dangerous goods of Class 3 (Flammable Liquid) are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gases
- Class 4.2, Spontaneously Combustible Substances
- Class 5.1, Oxidising Agents
- Class 5.2, Organic Peroxides
- Class 6, Toxic 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.: 1866

Proper Shipping Name: RESIN SOLUTION

Class: 3

Packaging Group: III

EMS No.: F-E, S-E

Marine Pollutant: No

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

Packaging Group: III

Label: Flammable Liquid

Packaging Instructions (passenger & cargo): 309

Packaging Instructions (cargo only): 310

1866

**U.N. Number**

**Proper Shipping Name**

RESIN SOLUTION

**DG Class**

3

**Hazchem Code**

3[Y]

**Packaging Method**

3.8.3RT1,RT7

**Packing Group**

III

**EPG Number**

3A1

**IERG Number**

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## 15. REGULATORY INFORMATION

**Regulatory Information**

Australia:

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Classified as a Scheduled Poison S6 according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**Poisons Schedule**

S6

**Hazard Category**

Harmful, Irritant

## 16. OTHER INFORMATION

**Date of preparation or last revision of MSDS**

MSDS Created: May 2008

**Contact Person/Point**

Technical Support: 1800 812 864



# Material Safety Data Sheet

CS: 1.4.51

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