

Infosafe No™ LPXBW Issue Date : March 2013 ISSUED by PARCHEMN

Product Name : DURAFLOOR PU (NZ)

1. Identification

GHS Product Identifier DURAFLOOR PU (NZ)

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 Concrete and epoxy floor sealer.

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

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 (Dermal) - 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
6.5A - Substance that is a respiratory sensitiser
6.5B - Substance that is a contact sensitiser
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
9.1D - Substance that is slightly harmful to the aquatic environment or is otherwise designed for biocidal action
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.
H312 Harmful in contact with skin.

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- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H333 May be harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H361 Suspected of damaging fertility or the unborn child.
- H371 May cause damage to organs.
- H401 Toxic to aquatic life.
- H433 Harmful to terrestrial vertebrates.

Pictogram (s)



Flame, Exclamation mark, Health hazard

Precautionary statement – Prevention

- P102 Keep out of reach of children. -This statement applies only where the substance is available to the general public.
- P103 Read label before use. -This statement applies only where the substance is available to the general public.
- P104 Read Safety Data Sheet 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/protective clothing/eye protection/face protection.
- P281 Use personal protective equipment as required.
- P285 In case of inadequate ventilation wear respiratory protection.

Precautionary statement – Response

- GENERAL
- P101 If medical advice is needed, have product container or label at hand. -This statement applies only where the substance is available to the general public.
- P308+P313 IF exposed or concerned: Get medical advice/ attention.
- P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
- INHALATION
- P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P304+P341 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- P331 Do NOT induce vomiting.
- INGESTION
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- 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.
- P362 Take off contaminated clothing and wash before re-use.
- 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.

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Precautionary statement – Storage
Precautionary statement – Disposal

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
 OTHER
 P370+P378 In case of fire: Use foam, carbon dioxide or dry chemical for extinction.
 P405 Store locked up.
 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	30-60 %
	Propylene glycol monomethyl ether acetate	108-65-6	10-<20 %
	Methylene Bis-(4-cyclohexylisocyanate)	5124-30-1	<1 %
	Ingredients determined not to be hazardous		Balance

4. First-aid measures

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

Ingestion If swallowed, do NOT induce vomiting. Wash mouth thoroughly with water. Seek immediate medical attention.

Skin 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.

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 station, safety shower and normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Information For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 764 766) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media Foam, carbon dioxide or dry chemical powder.

Hazards from Combustion Products Combustion products may include carbon monoxide, carbon dioxide, isocyanates and oxides of nitrogen.

Specific hazards arising from the chemical 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.

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. Use water spray to cool storage containers and tanks, pipelines and fire-exposed surfaces.

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

Precautions for Safe Handling 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.

Conditions for safe storage, including any incompatibilities 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.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure standards have been established for this material by the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, exposure standards for ingredients are stated below:

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

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Isocyanates, all (as -NCO)	-	0.02	-	0.07	Sen
Xylene	50	217	-	-	-

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.

Biological Limit Values Biological Exposure Index (BEI, AGCIH):

Material	Determinant	Sampling time	BEI
Xylene, Mixed Isomers	Methylhippuric acids in urine	End of shift	1.5 g/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 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

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Eye Protection	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. 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.

9. Physical and chemical properties

Appearance	Clear liquid
Colour	Amber
Odour	Aromatic hydrocarbon odour.
Decomposition Temperature	Not available
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
pH	Not available
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)
Odour Threshold	Not available
Viscosity	Not available
Partition Coefficient: n-octanol/water	Not available
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 link and ground metal containers for transfers of the product to prevent accumulation of static electricity. Keep the container tightly closed.
Auto-Ignition Temperature	Not available
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.

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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 given below.
Acute Toxicity - Oral	For Xylene: LD50 (Oral, Rat): 4,300 mg/kg Propylene glycol monomethyl ether acetate LD50 (Oral, Rat): 8,532 mg/kg
Acute Toxicity - Dermal	For Xylene: LD50 (Dermal, Rabbit): 4,500 mg/kg Propylene glycol monomethyl ether acetate LD50 (Dermal, Rabbit): >5,000 mg/kg
Acute Toxicity - Inhalation	For Xylene: LC50 (Inhalation, Rat): 5,000 ppm/4h
Ingestion	May be harmful if swallowed. Ingestion may cause nausea, vomiting and CNS depression with symptoms including drowsiness, dizziness, weakness, fatigue, headache, confusion and possible unconsciousness.
Inhalation	May be harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system. High vapour concentrations may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects.
Skin	Harmful in contact with skin. Product can be absorbed through skin with resultant harmful systemic effects. Causes 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	Causes serious eye irritation. Symptoms may include redness, tearing, stinging and swelling.
Respiratory sensitisation	Inhalation may cause sensitisation in some individuals.
Skin Sensitisation	May cause sensitisation in some individuals.
Germ cell mutagenicity	Not expected to be mutagenic.
Carcinogenicity	Not expected to be carcinogenic.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
STOT-single exposure	May cause damage to organs.
Aspiration Hazard	Not expected to be an aspiration hazard.
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	Toxic to aquatic life. Harmful to terrestrial vertebrates.
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environmental Protection	Do not allow product to enter drains, waterways or sewers.

13. Disposal considerations

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
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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 ERMA 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****Road and Rail Transport:**

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:

- 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

Class: 3

Packaging Group: III

EMS No.: F-E, S-E

IMDG 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

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Proper Shipping Name: Resin solution
Class: 3
Packaging Group: III
Label: Flammable liquid
Packaging Instructions (passenger & cargo): 309
Packaging Instructions (cargo only): 310

U.N. Number 1866

UN proper shipping name RESIN SOLUTION

Transport hazard class(es) 3

Hazchem Code •3Y

Packing Group III

EPG Number 3A1

IERG Number 14

IMDG Marine pollutant No

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) Group Standard 2006

HSNO Approval Number HSR002662

16. Other Information

Date of preparation or last revision of SDS MSDS Reviewed: March 2013
Supersedes: May 2008

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.

Contact Person/Point American Conference of Industrial Hygienists (ACGIH)
Technical Support: 1800 812 864
...End Of MSDS...

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