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MATERIAL SAFETY DATA SHEET
UREPAC™ CRYANATE 4.5 POLYOL COMPONENT

1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Pacific Urethanes Pty Ltd
18 Malibu Circuit,
Carrum Downs
Victoria, 3201

Phone: 1300 736 963
Specialist Advice: 0421 755 555

Non-Hazardous according to the criteria of WorkSafe Australia.

UN No:	Not applicable	D.G.CLASS:	Not applicable	IMDG:	Not applicable
HAZCHEM:	Not applicable	SUB.RISK:	Not applicable	CAS No:	MIXTURE
G.T.EPG:	Not applicable	PACK. GRP:	Not applicable	SUSDP:	6 (FED)
SPEC.EPG:	Not applicable				

2 HAZARDS IDENTIFICATION

Risk Phrases: None Allocated.

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>Amount</u>	<u>CAS Number</u>
Polyol:	50-90%	25322-69-4
Pentaflouorobutane:	5-15%	406-58-6
Pentaflouoropropane:	5-15%	460-73-1
Tertiary Amine:	2-5%	trade secret

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4 FIRST AID MEASURES

If inhaled:

In case of eye contact:

Immediately flush eyes with plenty of water. Likely to be mildly irritating, if continues to irritate seek medical advice

In case of skin contact:

Remove material from skin by washing with soap and water.

If swallowed:

Do not induce vomiting, wash mouth with water and give water to drink. Unlikely to cause more than mild transient discomfort, if in doubt contact doctor or Poisons Information Centre.

Advice to Doctor:

Treatment based on judgment of the physician in response to reactions of the patient.

5 FIRE / EXPLOSION HAZARDS

Fire Extinguishing Media: Water fog or fine spray, foam, carbon dioxide or dry chemical powder.

Hazardous Combustion Products: During a fire smoke may contain original material in addition to combustion products of varying composition which might be toxic and/or irritating.

6 ACCIDENTAL RELEASE MEASURES

Minor Spills:

No need for special clean-up measures, absorb the spilt material with a suitable adsorbent material.

Major Spills

Contain spilled material. Absorb with materials such as sand, earth or vermiculite.

Prevent run off into drains or waterways.

Collect in open labeled drums for disposal, product is suitable for landfill.

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7 HANDLING AND STORAGE

General Handling: Avoid contamination with incompatible products

Storage: Store in a cool place. Keep containers dry and away from water

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace (ASCC) Exposure Standard (ES):

TWA (mg/m³): 474. **STEL:** not set

Personal Protection:

Eye protection: not essential but recommend use of approved chemical glasses or goggles.

Skin protection: no special requirement but recommend use of suitable gloves such as, butyl or nitrile rubber.

Maintain good personal hygiene in workplace, do not consume or store food and drink in work area.

Wash hands before smoking, eating and drinking.

Engineering Controls

Use with adequate ventilation. Provide general and/or local exhaust ventilation to control airborne levels below exposure limits.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear Pale Straw Liquid

Odour: Slight odour

Vapour Pressure @ 25°C: Negligible

Vapour Density: No data

Specific Gravity: 1.02 @ 25°C

Auto-ignition temp: >400°C

Solubility in water: Soluble

10 STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Unlikely

Conditions to avoid: Keep dry.

Incompatible Materials: Strong acids, strong bases, strong oxidizing agents

Hazardous decomposition products: Gases are released but depend upon temperature, air supply and presence of other materials.

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11 TOXICOLOGICAL INFORMATION

Ingestion: Low toxicity if swallowed. Repeated excessive ingestion may cause central nervous system effect.

12 ECOLOGICAL INFORMATION

Biodegradable, will not accumulate in soil or water or cause long term problems

13 DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority.

14 TRANSPORT INFORMATION

Classified as a Non-Dangerous Substance for the purpose of transport.

15 REGULATORY INFORMATION

Classification:

According to criteria of ASCC;

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS

Risk Phrase(s):

No Criteria found

Safety Phrase(s):

S24/25: Avoid contact with skin & eyes.

S36/37/39: Wear suitable protective clothing & eye/face protection

This material is listed on the Australian Inventory of Chemical Substances (AICS).

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16 OTHER INFORMATION

REFERENCES:

American Ind. Hygiene Association. Journal (43), P.94

Additional information on this product may be obtained by calling your sales or customer service contact.

Revised: March 2014

Pacific Urethanes Pty Ltd urges each customer or recipient of this MSDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this MSDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However no warranty, express or implied, is given. It is the user's responsibility to ensure that his activities comply with all federal, state & local laws. The information presented here pertains only to the product as shipped. Since the conditions for use of the product are not under the control of the supplier, it is the user's duty to determine the conditions necessary for the safe use of this product.

REVISION DATE: SEPTEMBER 2014