



Erethane GP330 Polyol Component

SAFETY DATA SHEET (SDS)

Section 1 - Identification of the Preparation and the Company

Product Name: **Erethane GP330 Polyol Component**

This product is not classified as hazardous according to the criteria of Safe Work Australia.

Not Classified as a Dangerous Good according to the Australian Dangerous Goods Code (ADG).

Uses: Manufacture of polyurethane foam, polyol component

Manufacturer: Summit Composites Pty Ltd	Western Australia	Victoria
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Website	http://summitcomposites.com.au/	
Poisons Information Centre	Australia 131 126; New Zealand 0800 764 766	

Section 2 – Hazards Identification

Hazard Statements

H227: Combustible liquid

Precautionary Statements

Prevention

P102 Keep out of reach of children

P280 Wear protective gloves/eye protection/face protection See Section 8

Response

P370 + P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction

Storage

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

Disposal

P501 Dispose of contents/container to approved landfill

Section 3 - Composition/Information on Ingredients

Ingredient(s)	CAS-number	%wt
Non-hazardous polyol blend	Not available, mixture	>60%
1,1,1,3,3-Pentafluorobutane	406-58-6	<10%
Trans-dichloroethylene	150-60-5	<2.5%

Section 4 – First Aid Measures

Ingestion:

NEVER GIVE AN UNCONSCIOUS PERSON ANYTHING TO DRINK NOR ATTEMPT TO INDUCE VOMITING. If the person is conscious, rinse mouth out with water ensuring that mouthwash is not swallowed. Give about 250mL (2 glasses) of water to drink. DO NOT attempt to induce vomiting. Seek URGENT medical attention. For advice, contact a Poisons Information Centre (phone e.g. Australia 131 126; New Zealand 0800 764 766).

Inhalation:

First aid is unlikely to be required as a result of exposure to this component alone but if symptoms are experienced, remove to fresh air. Keep warm and at rest. If breathing is laboured, hold in a half upright position (this assists respiration). Apply artificial respiration if breathing has stopped. Seek medical attention if any symptoms persist.

Due to the nature of the isocyanate component used in conjunction with this product, also seek medical attention if any



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unexplained breathing difficulties such as nasal congestion, dry or sore throat, cold-like symptoms, cough, shortness of breath, wheezing, or chest tightness arise are experienced after using or being exposed to this product

Eye Contact:

If in eyes, hold eyelids apart and flush the eye continuously with running water. In all cases of eye contamination it is a sensible precaution to seek medical attention.

Skin Contact:

Remove contaminated clothing. Rinse the affected area with water then wash thoroughly with soap and water. Use water alone, if soap is unavailable. Seek medical attention if any soreness or inflammation of the skin persists or develops later. Launder affected clothing before re-use.

Medical attention should also be sought for any persistent or recurring skin irritation or rash.

Additional Information:

First Aid Facilities: Normal washroom facilities are adequate for this component but due to the nature of the isocyanate component used in conjunction with this product, an eye wash station should be available. Safety shower if large volumes are being handled.

Advice to Doctor: Treat symptomatically.

Entry Route(s): Inhalation, ingestion and skin contact.

Section 5 – Fire Fighting Measures

Combustible. May evolve acrid smoke and fumes if heated to decomposition or burned in a fire situation. Keep away from sources of ignition such as open flames, sparks, hot surfaces or burning cigarettes.

In case of fire, evacuate personnel to safe areas. Avoid breathing vapours or fumes. Responders must be made aware of the nature of the hazard and must wear self-contained breathing apparatus and full protective clothing (including helmet, coat trousers, boots and gloves). If safe to do so, move undamaged containers from fire area but DO NOT approach containers suspected of being hot. Undamaged and sealed containers may be kept cool by spraying with water.

Extinguish using carbon dioxide; dry chemical; protein-based foam; or alcohol-resistant foam. Prevent, by any means possible, runoff from entering drains or water courses.

Section 6 – Accidental Release Measures

Avoid contact. Evacuate non-emergency personnel from area. Keep upwind of spill. Ventilate area. Use appropriate personal protective equipment (refer to Section 8 - Exposure Controls / Personal Protection). Contain liquid to prevent contamination of soil, surface water or ground water. Prevent from entering, sewers or drains. Cover with an absorbent such as earth, sand or a commercial oil absorber. Collect material in containers and remove to a well-ventilated area. Clean up floor areas. Wash area well with water. Test atmosphere for vapours to ensure safe working conditions before other personnel are allowed in the area. Dispose to approved land-fill.

Section 7 – Handling and Storage

Storage:

Store in a cool area with adequate ventilation. Keep containers tightly closed when not in use. Protect containers against physical damage.

Do not store in open containers. Damaged or punctured drums should be emptied and disposed of properly.

Do not store with oxidising agents.

C2 Combustible Liquid according to AS1940 - Storage and Handling of Flammable and Combustible Liquids. Store in accordance with regulations for storage of combustible liquids.

Handling:

Use only with adequate ventilation. Provide general and / or local exhaust ventilation to ensure that the exposure standards for the isocyanate component are not exceeded. For Personal Protective Equipment (PPE), see Section 8.

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Section 8 – Exposure Controls/Personal Protection

Exposure standards: Exposure standards have not been allocated to this product or any of its ingredients.

Exposure standards represent airborne concentrations of individual chemical substances, which according to current knowledge, should neither impair the health nor cause undue discomfort to nearly all workers. Exposure standard may be a time-weighted average (TWA), a short-term exposure limit (STEL) or a peak level.

Engineering Controls:

This product is unlikely to generate high vapour levels. However, when used in conjunction with the isocyanate component, ventilation systems should be installed and regularly monitored to ensure exposure to vapour/aerosol is minimised. Exhaust systems should be designed in accordance with workplace conditions. The air should always be moved away from the source of vapour generation and the person working at this point. The odour and irritancy of this material are inadequate to warn of excessive exposure.

Personal Protection:

If using with the isocyanate component, use personal protective equipment recommended for that component. Safety glasses with side shields and nitrile gloves are adequate for handling this product. Respiratory protection is unlikely to be required unless handling the product in a confined or poorly ventilated area, in which case an approved air-purifying respirator equipped with an organic vapour sorbent and a particulate filter should be worn. Select and use respirators in accordance with AS/NZS 1715/1716. N.B. If using an air-purifying respirator, TAKE THE LIMITS OF ABSORPTION CAPACITY INTO ACCOUNT. CHANGE FILTERS REGULARLY.

Section 9 – Physical and Chemical Properties

Appearance: Straw coloured, cloudy liquid

Specific gravity (H₂O = 1) 1.15

Boiling Point: Approximately 200°C

Melting Point: No data available

Solubility in Water: Miscible

Vapour Pressure: <1mmHg at 25°C

Vapour density (Air = 1): Heavier than air.

Flash Point: >65°C

Explosive limits (% By Volume in Air): Not applicable

Section 10 – Stability and Reactivity

Stability: Stable under recommended storage and handling conditions (refer to Section 7).

Hazardous Decomposition Products: Emits toxic fumes including oxides of carbon and nitrogen, if heated to decomposition or burned

Hazardous polymerisation: Will not occur.

Incompatibilities: Strong acids, alkalis and oxidising agents.

Conditions to Avoid: Excessive heat, ignition sources and incompatible materials

Section 11 – Toxicological Information

Symptoms of Exposure:

Swallowed. Ingestion may cause slight gastrointestinal irritation.

Eye: May cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.

Skin: May cause irritation to the skin, with effects including: redness and itchiness.

Inhaled: May cause irritation to the nose, throat and respiratory system with effects including: dizziness, headache and loss of co-ordination.

Chronic Health Effects

Prolonged or repeated skin contact may lead to dermatitis.

Toxicological Information

Acute Toxicity Data:

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An expected acute oral toxicity as LD50 in rats is of the order of >2000 mg/kg as derived from products with similar composition.

1,1,1,3,3-Pentafluorobutane

Skin (rabbit): Non-irritating. Eye (rabbit): Slight irritant. LD50 (oral, rat) > 2000 mg/kg

Trans-dichloroethylene

Skin (rabbit): 500mg / 24 hours – Moderate. Eye (rabbit): 10mg – Moderate. LD50 (oral, rat): 1235 mg/kg. LD50 (oral, mouse): 2122 mg/kg. LD50 (dermal, rabbit): >5000mg/kg

Teratogenicity: No relevant information found.

Reproductive Toxicity: No relevant information found.

Section 12 – Ecological Information

Ecotoxicity: No data available

Persistence / Degradability: No data available

Chemical Fate Information: Avoid contaminating waterways, drains, sewers or ground.

Section 13 – Disposal Considerations

Do not allow into any sewers, drains, on the ground or into any body of water. Any disposal must be accordance with applicable State, Territory and/or Local government regulations. Dispose by controlled incineration or to approved land-fill.

Section 14 – Transport Information

Not classified as a Dangerous Good by the Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code),

Section 15 – Regulatory Information

Product is not a scheduled Poison according to the requirements of the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

Section 16 – Other Information

REFERENCES

1. List of Designated Hazardous Substances [NOHSC: 10005(1999)]
2. Safe Work Australia Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals, 2016
3. Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC: 1003(1995)] and subsequent amendments
4. AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices.
5. AS/NZS 1716 - Respiratory protective devices.
6. Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code), Edition, 7.4.
7. International Maritime Dangerous Goods Code (IMDG), and current amendments
8. Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) No. 15, November 2016

ABBREVIATIONS



Erethane GP330 Polyol Component

LC50	Lethal dose for 50% of test population, by inhalation.
LDLo	Lowest documented lethal dose
LD50	Lethal dose for 50% of test population, by ingestion or skin contact
TDL _o	Lowest published toxic dose

User should verify applicability of this data sheet if more than 5 years old.

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