

**Product Name** :HISEAL TG POLYURETHANE SEALANT – PART B

Ramset NZ

**Other Names** :None

A Division of ITW NZ Ltd

**Part No.** :HYTGGYL6

PO Box 40-031

**MSDS No.** :NZ3001 (Read in conjunction with NZ3002)

Glenfield. Auckland

**Date & Issue** :NOV 3/ ISSUE A

www.ramset.co.nz

**1: RECOMMENDED USE**

An aromatic polyisocyanate curing agent (Part B) for Ramset Hi-Seal TG.

**2: HAZARDS IDENTIFICATION**

UN No : None

Hazchem Code : None

Hazard Class :

Poisons Schedule : None

Subsidiary Risk :

CAS No :

SPEC EPG :

G T EPG :

NIOSH :

Packing Group :

D G Class : None

IMDG :

**3: PHYSICAL DESCRIPTION & PROPERTIES**

Appearance : Yellowish, nearly odourless liquid

Flammability Ltd : Not applicable

Specific Gravity : approx. 1.05 g/cm<sup>3</sup> at 20 deg C

Boiling Point : approx. 180 deg C

Form : Viscous liquid

Melting Point :

Vapor Pressure : Less than 100 mbar/50 deg C

Flashpoint : approx. 200 deg C

Solubility in Water : Insoluble

Other : None

**4: COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name

(CAS No)

Content Proportion

: Monomeric Toluene Di-isocyanate (TDI)

: 584-84-9

: Very Low

Contents : **H**igh>60% **M**edium 10 – 60% **L**ow 1 – 10% **V**ery Low <1%**PRINT DOCUMENT****BACK TO CONTENTS**

NATIONAL POISONS INFORMATION CENTRE

: 0800 764 766

RAMSET NZ

: 09 444 3510

MSDS's AVAILABLE ON LINE AT

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May be an eye irritant.

Skin

Contact with skin may result in irritation.

Inhaled

Inhalation may be harmful. Respiratory sensitiser.

Swallowed

May be harmful if swallowed.

**HEALTH EFFECTS: CHRONIC:**

Over-exposure, especially during spraying operations without necessary precautions may lead to irritation of the eyes, nose, throat and respiratory tract. Delayed appearance of the complaints and development of hypersensitivity (difficulty in breathing, coughing, asthma) are possible. Even low isocyanate concentrations may produce these effects in hypersensitive individuals. Repeated or prolonged skin contact can lead to tanning and irritation and possible skin sensitisation.

**FIRST AID****\*\*Take a copy of this MSDS to the Doctor\*\***Eyes

Immediately flush eyes with plenty of water. Seek medical attention.

Skin

Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation occurs seek medical attention. Launder clothing before re-use.

Inhaled

Remove patient from exposure. Apply artificial respiration if necessary. Seek medical advice.

Swallowed

If swallowed, contact a doctor or the Poisons Information Centre in your capital city.

Advice to Doctor

Treat symptomatically.

First Aid facilities

Eye wash

Toxicity data

Oral – rat: LD50 &gt; 5000mg/kg

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Toluene Di-isocyanate: TWA – 0.02 mg/m<sup>3</sup>, STEL: 0.07 mg/m<sup>3</sup> Sensitiser. NOHSC – 1995. TWA is the time weighted average concentration of the work atmosphere over a normal 8-hour day and a 40-hour work week. Nearly all workers may be repeatedly exposed to this level, day after day, without adverse effect. These TWAs are issued as guidelines for good practice. All atmospheric contamination should be kept to as low a level as is practically possible. These TWAs should not be used as fine lines between safe and dangerous concentrations. Sensitiser – a material which can cause a “specific immune response” or ‘sensitisation’ in some people. Exposure to a sensitiser, once sensitisation has occurred, can manifest itself as a skin rash or inflammation or as an asthmatic condition and in some individuals the reaction can be extremely severe.

**VENTILATION:**

Use only in well ventilated areas where the recommended exposure standard will not be exceeded.

**PERSONAL PROTECTION:**Eyes

Safety goggles

Hands & Feet

Protective PVC or rubber gloves.

Respiratory

Respiratory protection, complying to AS1716, (Respiratory Protective Devices) may be required if ventilation inadequate or if working in a confined area.

Other**FLAMMABILITY:**

Combustible

**ENVIRONMENT:**

This material may be harmful to the environment in its uncured form.

**OTHER PRECAUTIONS:**[PRINT DOCUMENT](#)[BACK TO CONTENTS](#)

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Store under cool, dry conditions, in a well-ventilated area. Keep containers tightly closed when not in use.  
Avoid temperatures above 50°C.

**PACKAGING & LABELLING:****SPILLS & DISPOSALS:**

Increase ventilation. Clean-up personnel to wear appropriate protective equipment. Contain spill using inert absorbent such as sand, earth or similar. Prevent run-off into drains and water-ways. Collect in vented containers for disposal as per statutory regulations

**OTHER PRECAUTIONS:****8: FLAMMABILITY**

Fire/Explosion hazard : Exothermic reaction with amines and alcohols. Reacts with water to form carbon dioxide and in closed containers this produces a risk of bursting owing to the increase in pressure.

Extinguishing Media : Dry chemical, carbon dioxide

Upper Explosion Limit :

May Decompose Explosively :

Lower Explosion Limit :

Dust Explosion Limit :

Other : Fire-fighting personnel to wear self-contained breathing apparatus and protective clothing.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Oxides of carbon and nitrogen, isocyanate vapour, possible traces of hydrogen cyanide, smoke and fumes.

**9: OTHER INFORMATION**

None

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