

PRODUCT: HISEAL™

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SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER**Product Name:** HISEAL™ Polyurethane Construction Sealant**Manufacturer's Product Code:** HYSLGYG720, HYSLGYG375**Other Names:** None**Recommended Uses:** Sealing expansion joints in concrete panel and block structures

Ramset Fasteners (Aust) Pty Limited ACN 004 297 009

A Division of ITW Construction Products

Maroondah Highway,

Mooroolbark. Victoria. Australia. 3138

Telephone: 1300 780 063**Emergency Telephone Number:** 1300 780 063 (Monday to Friday. 7:30 am to 5:30 pm EST)**SECTION 2: HAZARDS IDENTIFICATION****- Classified as Hazardous according to criteria of NOHSC -****Risk Phrases:**

R20 Harmful by inhalation

R42 May cause sensitisation by inhalation

Safety Phrases:

S23 Don not breathe vapour

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S38 In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient Chemical Identity | CAS Number | Proportion |
|-------------------------------------|-------------------|-------------------|
| Toluene diisocyanate | 584-84-9 | <0.5% |
| Non-hazardous ingredients | | To 100% |

SECTION 4: FIRST AID MEASURES**ACUTE****Swallowed:** Do NOT induce vomiting. Give a glass of water to drink. Contact a doctor or Poisons Information Centre 13 1126**Eye:** If in eyes, hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. Medical attention advised.**Skin:** If on skin, remove contaminated clothing and wash skin thoroughly with soap and water. Contact doctor if irritation develops or persists.

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Inhaled: If inhaled remove from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing is laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical attention.

Note to doctor: Treat symptomatically. Effects may be delayed.

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| SECTION 5: FIRE FIGHTING MEASURES |
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Product is combustible

Suitable Extinguishing Media: Carbon dioxide, foam, dry chemical, water fog

Hazardous products of combustion: Carbon dioxide, carbon monoxide, oxides of nitrogen, isocyanates, hydrogen cyanide, smoke and other toxic fumes

Special protective precautions and equipment for fire-fighters: Wear full protective clothing and self-contained breathing apparatus

Hazchem code: Not applicable

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| SECTION 6: ACCIDENTAL RELEASE MEASURES |
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Protect skin and eyes. Avoid breathing vapour. Absorb spilled material with sand and scoop up. Place material into containers to be sealed and labelled for disposal.

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| SECTION 7: HANDLING AND STORAGE |
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Precautions for safe handling

Avoid contact with skin and eyes. Avoid breathing vapour.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated place out of direct sunlight and away from heat and ignition. Keep containers closed.

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| SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION |
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National exposure standards

| Ingredient | CAS | TWA | | STEL | |
|--------------------------|----------|-----|---------------------|------|--|
| | | ppm | mg / m ³ | | |
| Isocyanates All (as-NCO) | 584-84-9 | - | 0.02 | | |
| | | | | | |

Engineering controls

If natural ventilation is unable to maintain airborne concentration below exposure standards use local exhaust ventilation.

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Personal protective equipment: Wear impervious gloves and overalls. Wear safety glasses, goggles or face shield. Wear Organic Vapour respirator where ventilation is inadequate.

Always wash hands before smoking, eating, drinking or using the toilet.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Grey paste
Odour: Mild solvent odour
pH: Not applicable
Vapour Pressure: Not available
Boiling Point / Range: Not available
Freezing / Melting Point: Not available
Solubility in Water: Not soluble
Specific Gravity: 1.26
Flashpoint and Method: 43°C (Solids)
Flammability Limit: Not available
Explosive Limit: Not available
Ignition Temperature: Not available

Other Properties:
None

SECTION 10: STABILITY AND REACTIVITY

Chemical stability: Stable

Conditions to avoid: No data

Incompatible materials: Oxidising agents, amines, alcohols and water

Hazardous decomposition products: Thermal decomposition yields oxides of carbon, nitrogen, isocyanates, hydrogen cyanide, smoke and other toxic fumes.

Hazardous reactions: Exothermic reaction with amines and alcohols. Reacts with water to form CO₂, which may raise pressure and burst sealed containers.

SECTION 11: TOXICOLOGICAL INFORMATION**Acute**

Swallowed: May result in nausea, vomiting and irritation of the gastrointestinal tract

Eye: May be irritating to the eye

Skin: May result in irritation

Inhaled: Harmful by inhalation. Inhalation of mists or aerosols may produce respiratory irritation. Respiratory sensitiser. Can cause possible allergic reactions.

Chronic

Toluene diisocyanate: Oral LD50 (rat): > 5,000 mg/m³

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SECTION 12: ECOLOGICAL INFORMATION

No data

SECTION 13: DISPOSAL CONSIDERATIONS

Refer to State/ Territory Land Waste Management Authority

SECTION 14: TRANSPORT INFORMATION

Not classified as Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG) for transport by road or rail

UN Number: None

UN Proper Shipping Name: None

Class and subsidiary risk: None

Packaging Group: None

Hazchem Code: None

SECTION 15: REGULATORY INFORMATION

Poisons Schedule: Not applicable

NICNAS Status: All ingredients are listed on the AICS

SECTION 16: OTHER INFORMATION

Contact Point: Product Manager – Construction Chemicals