

Product Name :HISEAL
Other Names :Hiseal PU
Part No. :HYSLWHG375, HYSLGYG375, HYSLGYG720
MSDS No. :2900
Date & Issue :NOV 3/ ISSUE A

Ramset NZ
A Division of ITW NZ Ltd
PO Box 40-031
Glenfield. Auckland
www.ramset.co.nz

1: RECOMMENDED USE

For sealing construction joints in concrete.

2: HAZARDS IDENTIFICATION

UN No	: None	Hazchem Code	: None
Hazard Class	:	Poisons Schedule	: S6
Subsidiary Risk	: None	CAS No	: None
SPEC EPG	: None	G T EPG	: None
NIOSH	:	Packing Group	: None
D G Class	: None	IMDG	:

3: PHYSICAL DESCRIPTION & PROPERTIES

Appearance	: White or grey, thixotropic non-slump paste	Flammability Ltd	: Not applicable
Specific Gravity	: 1.2 (Water = 1)	Boiling Point	: Not applicable
Form	: Not applicable	Melting Point	: Not applicable
Vapor Pressure	: <1.26 kPa	Flashpoint	: Not available
Solubility in Water	: Immiscible	Other	:

4: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	(CAS No)	Content Proportion
:Isocyanate polymer	:	: High
:Solvent naphtha (petroleum)	:	: Very Low
:Light aromatic	:64742-95-6	: Very Low
:Xylene	: 1330-20-7	: Very Low
:Fillers, inorganic	:	: Very Low
:Cycloaliphatic oispuamate	:	: Very Low
:Toluene-2,4-diisocyanate	: 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](#)

Product Name :HISEAL
Other Names :Hiseal PU
Part No. :HYSLWHG375, HYSLGYG375, HYSLGYG720
MSDS No. :2900
Date & Issue :NOV 3/ ISSUE A

Ramset NZ
A Division of ITW NZ Ltd
PO Box 40-031
Glenfield. Auckland
www.ramset.co.nz

5: HEALTH HAZARD INFORMATION

TAKE A COPY OF THIS MSDS TO THE DOCTOR

HEALTH EFFECTS: ACUTE:

Eyes

The vapour is irritating to the eyes. The material is highly irritating to the eyes.

Skin

The material is irritating to the skin and is capable of causing allergic skin reactions, skin sensitisation and skin reactions which may lead to dermatitis. Toxic effects may result from skin absorption. Prolonged skin contact may cause defatting with cracking, irritation and possible dermatitis.

Inhaled

The vapour/mist is irritating to the upper respiratory tract and lungs and repeated exposure may cause sensitization and/or allergic reactions. Inhalation hazard is increased at higher temperatures. Acute effects from inhalation of high concentrations of vapour are pulmonary irritation, coughing, shortness of breath, anaesthetic effects, nausea, dizziness, increased reaction time, central nervous system depression, fatigue, staggered gait and confusion. Continued exposure may result in unconsciousness.

Swallowed

The liquid is irritating to the gastrointestinal tract and harmful if swallowed. Considered an unlikely route of entry in commercial / industrial environments. Ingestion may result in nausea, vomiting and gastrointestinal distress. Aspiration of vomit may cause possibly fatal chemical pneumonitis.

HEALTH EFFECTS: CHRONIC:

Refer to ACUTE. The product may also cause liver and kidney changes and permanent central nervous system and blood changes. Warning: Toluene-2-4-diisocyanate has been classified by IARC as Group 2B – possibly carcinogenic to humans. Use strict occupational hygiene practices to minimize all personal contact.

FIRST AID

Take a copy of this MSDS to the Doctor

Eyes

If this product comes into contact with the eyes, immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin

If solids or aerosol mists are deposited upon the skin, wash affected areas thoroughly with water if available. Remove any adhering solids with industrial skin cleansing cream. DO NOT use solvents. Seek medical attention in the event of irritation.

Inhaled

If fumes or combustion products are inhaled, remove patient to fresh air. Lay patient down. Keep warm and rested. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation. Transport to hospital or doctor.

Swallowed

If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do NOT induce vomiting. Give a glass of water.

Advice to Doctor

Treat symptomatically.

Toxicity data

Not available for mixture. Data for principal ingredients only.

Oral (human) LDLo:	50mg/kg (xylene)
Oral (rat) LD50:	4300mg/kg (xylene)
Inhalation (woman) TCLo:	300ppt/8h/5d (toluene-2,4 diisocyanate) (RTECS)
Inhalation (rat) LC50:	260mg m3/4h (cycloaliphatic isocyanate) (manfr)

PRINT DOCUMENT

BACK TO CONTENTS

NATIONAL POISONS INFORMATION CENTRE
RAMSET NZ
MSDS's AVAILABLE ON LINE AT
PAGE No

: 0800 764 766
: 09 444 3510
: www.ramset.co.nz
: 2 of 4

Product Name :HISEAL
Other Names :Hiseal PU
Part No. :HYSLWHG375, HYSLGYG375, HYSLGYG720
MSDS No. :2900
Date & Issue :NOV 3/ ISSUE A

Ramset NZ
A Division of ITW NZ Ltd
PO Box 40-031
Glenfield. Auckland
www.ramset.co.nz

6: PRECAUTIONS FOR USE

EXPOSURE LIMITS:

None assigned for mixture. Refer to individual constituents

TLV TWA : 100ppm, 434mg/m³ (xylene)
STEL : 150ppm 651mg/m³ (xylene)
TLV TWA : 0.005ppm 0.036mg/m³ (toluene-2,4 diisocyanate)
STEL : 0.02ppm (monofunctional isocyanate)
TLV TWA : 0.02ppm (cycloaliphatic isocyanate)
TLV TWA : 0.01ppm (cycloaliphatic isocyanate)
TLV TWA : 50ppm (solvent naphtha (petroleum)), (light aromatic)

VENTILATION:

Provide adequate ventilation in warehouse or closed storage area. Local exhaust ventilation.

PERSONAL PROTECTION:

Eyes

Safety glasses with side shields. Chemical goggles. Full face shield. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them. DO NOT wear contact lenses.

Hands & Feet

Wear chemical protective gloves e.g. PVC. Wear safety footwear. Polyethylene gloves. DO NOT use solvent to clean the skin.

Respiratory

Local exhaust ventilation usually required. If inhalation risk of overexposure exists, wear SAA approved respirator (air purifying type). Correct fit is essential to obtain adequate protection. SAA approved self contained breathing apparatus (SCBA) may be required in some situations. Note: Isocyanate vapours will not be adequately absorbed by organic vapour respirators.

Other

Overalls, PVC apron, PVC protective suit may be required. Eyewash unit. Ensure there is ready access to a safety shower. DO NOT return unused product to containers. The local concentration of material, quantity and conditions of use determine the type of personnel protective equipment required. For information, consult site specific ADCHEM data (if available) or your Occupational Health and Safety Advisor.

FLAMMABILITY:

ENVIRONMENT:

Not specified

OTHER PRECAUTIONS:

None specified.

[PRINT DOCUMENT](#)

[BACK TO CONTENTS](#)

Product Name :HISEAL
Other Names :Hiseal PU
Part No. :HYSLWHG375, HYSLGYG375, HYSLGYG720
MSDS No. :2900
Date & Issue :NOV 3/ ISSUE A

Ramset NZ
A Division of ITW NZ Ltd
PO Box 40-031
Glenfield. Auckland
www.ramset.co.nz

7: SAFE HANDLING & STORAGE

STORAGE & TRANSPORT:

Store in original containers, in a cool, dry, well ventilated area, away from incompatible materials and food stuffs. Incompatible materials include water, alkalies, detergent solutions and oxidisers. Material reacts with water and generates gas, pressurises containers with even drum rupture resulting. Keep containers securely sealed. No smoking, naked lights or ignition sources. Open containers with care.

PACKAGING & LABELLING:

Plastic cartridge. Plastic containers may only be used if approved for flammable liquids. Metal can or metal drums. Check that containers are clearly labelled. Packaging as recommended by manufacturer.

SPILLS & DISPOSALS:

Minor:

Remove all ignition sources. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personnel contact by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable labelled container for waste disposal.

Major:

Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water courses. No smoking, naked lights or ignition sources. Increase ventilation. Stop leak if safe to do so. Water spray or fog may be used to disperse/absorb vapour. Contain or absorb spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Collect solid residues and seal in labelled drums for disposal. Wash area and prevent runoff into drains. After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using. If contamination of drains or waterways occurs advise emergency services.

Disposal:

DO NOT recycle spilled material. Consult State Land Waste Management Authority for disposal. Neutralise and decontaminate empty containers and spill residues with 10m% Ammonia solution plus detergent prior to disposal. Puncture containers to prevent re-use. Bury or incinerate residues at an approved site.

OTHER PRECAUTIONS:

Avoid all personnel contact, including inhalation. Wear protective clothing when risk or exposure occurs. Use in a well ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. Avoid smoking, naked lights, heat or ignition sources. Vapour may ignite on pumping or pouring due to static electricity. Earth and secure containers when dispensing or pouring product. Use spark free tools when handling. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Use good occupational work practice. Observe manufacturer's storing and handling recommendations. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.

8: FLAMMABILITY

Fire/Explosion hazard	:	Dust Explosion Limit	: No
May Decompose Explosively	: No	Upper Explosion Limit	: Not available
Extinguishing Media	: Water mist, CO2, Foam, Dry Powder	Lower Explosion Limit	: Not available
Other:	:		

HAZARDOUS DECOMPOSITION PRODUCTS:

9: OTHER INFORMATION

None

[PRINT DOCUMENT](#)

[BACK TO CONTENTS](#)

NATIONAL POISONS INFORMATION CENTRE
RAMSET NZ
MSDS's AVAILABLE ON LINE AT
PAGE No

: 0800 764 766
: 09 444 3510
: www.ramset.co.nz
: 4 of 4