

Product Name : CHEMSET INJECTION	Ramset NZ
Other Names : RESIN KIT, CHEMSET 100 SERIES	A Division of ITW NZ Ltd
Part No. : C101M, C101C, C101J, ISKP	PO Box 40-031
MSDS No. : NZ1500	Glenfield, Auckland
Date & Issue : NOV 03 / ISSUE A	www.ramset.co.nz

1: RECOMMENDED USE

For anchoring metal studs and reinforcement steel into concrete

2: HAZARDS IDENTIFICATION

UN No	: 3269	Hazchem Code	: 3(Y)
Hazard Class	:	Poisons Schedule	: S5
Subsidiary Risk	:	CAS No	:
SPEC EPG	:	G T EPG	:
NIOSH	:	Packing Group	: 111
D G Code	: 3	IMDG:	

3: PHYSICAL DESCRIPTION & PROPERTIES

Appearance (Part A)	: Grey to purple viscous fluid	Appearance (Part B)	: Green Past
Flammability Limit	: Upper Explosive Limit: 6.1%	Lower Explosive Limited	: 1.1%
Specific Gravity	: Approx. 1.55 g/ml	Boiling Point	: at 760 mm Hg 145°C
Solubility in Water	: Not miscible	Melting Point	:
Vapor Pressure	: at 760 mm Hg @ 25°C Not Known	Flashpoint	: Approximately 31°C

4: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name,	(CAS No)	Content Proportion,	Part
Styrene Monomer	: 100-42-5	10-30	A
Benzoyl Peroxide	: 94-36-0	10-30	B
Pthalate Phlegmatiser	: 84-74-2	10-30	B
Dimethyl aniline	: 121-69-7	<1%	A
Other ingredients	to 100%		
Contents	: H igh>60% M edium 10 – 60% L ow 1 – 10% V ery Low <1%		

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www.ramset.co.nz**5: HEALTH HAZARD INFORMATION******TAKE A COPY OF THIS MSDS TO THE DOCTOR******HEALTH EFFECTS: ACUTE:**Eyes:

This material is expected to be irritating to the eye.

Skin:

Mildly irritating to the skin. Frequent or prolonged contact can cause skin complaints such as dermatitis.

Swallowed

Moderately toxic. May irritate gastrointestinal tract. Upon aspiration into the lungs, chemical pneumonitis may develop. If part B is swallowed decomposition may occur resulting in the evolution of oxygen, which may lead to distension of the stomach.

Inhaled:

Irritating to respiratory system. Prolonged exposure to vapours may cause headaches, impairment of judgement, Central Nervous System depression which in extreme cases can lead to unconsciousness or death.

HEALTH EFFECTS: CHRONIC:**FIRST AID** **Take a copy of this MSDS to the Doctor.**Eyes

Flush with water for fifteen minutes. Seek immediate medical assistance.

Skin

Wet clothing with water before removing due to possibility of static discharge igniting vapour. Wash affected areas with soap and water thoroughly. Allow clothing to thoroughly air dry then launder before re-use. If irritation persists seek medical attention.

Swallowed

Do NOT induce vomiting. Give 1-2 glasses of water and obtain medical assistance. Should the patient vomit, maintain a clear airway until medical assistance is obtained.

Inhaled:

Carefully remove persons to fresh air and avoid becoming effected yourself. If patient is severely affected obtain medical assistance. If the person stops breathing apply artificial respiration and other first aid techniques as required until medical assistance is obtained.

Advice to Doctor

ORAL: Gastrointestinal irritation, nausea, vomiting and camping. CNS depression ranging from mild headache to anaesthesia and coma. Pulmonary irritation secondary to exhalation of solvent. Lavage with a cuffed tube if a large quantity is ingested. Aspiration is the main danger. Enforce bed rest & observe carefully. Observe for 24 hours for chemical pneumonitis. Longer term medical surveillance may be necessary. Maintain airway and vital functions.

INHALATION: CNS depression characterised by headache and dizziness which in extreme cases can lead to unconsciousness and death. No other information noted in this section.

First Aid facilities Ensure that eyewash stations are easily accessible.

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6: PRECAUTIONS FOR USE**EXPOSURE LIMITS:**

Styrene monomer	100-42-5	TWA	50 ppm	213 mg/cubic metre
		STEL	100ppm	426 mg/cubic metre
Benzoyl Peroxide	94-36-0			5 mg/cubic metre

TOXICOLOGICAL DATA

Styrene Monomer:
Oral Rat LD50 6800 mg /kg

PERSONAL PROTECTION:Eyes:

Goggles or face shield to avoid splashes.

Hands & Feet:

Impervious gloves should be worn to prevent skin contact. Polyvinyl alcohol gloves are suitable. Wear protective footwear.

Respiratory:

Organic Vapour Mask if exposed to mist or vapours at up to 10 x TWA exposure limit. Above this level use air supplied or self contained breathing apparatus.

Other

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

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7: SAFE HANDLING & STORAGE

STORAGE & TRANSPORT:

Store on a wooden pallet, store between 5 to 30°C. Should recommended max. storage temperature be exceeded, cool sealed container under running water for 30 minutes before use. Excessively heated sealed drums may rupture EXPLOSIVELY. Keep away from heat, naked flames or sparks including static discharge. Use appropriate earthing techniques when transferring liquid from one container to another. Store away from oxidising agents. Keep containers closed at all times when not in use.

PACKAGING & LABELLING:

DANGEROUS GOODS CLASS/SUBSIDIARY RISK: Class 3 Flammable Liquid. Packaging Group 111.

SPILLS & DISPOSALS:

Wear rubber gloves and goggles in addition to respiratory protection for protection from splashes and vapours. Extinguish all ignition sources. Dam and recover. Prevent entry into drainage systems, rivers and waterways etc. Collect with absorbent material such as sand, earth or appropriate commercial absorbent. Shovel up with non-sparking tools then PLACE INTO SUITABLE CONTAINER FOR DISPOSAL AS PER RELEVANT LOCAL COUNCIL REGULATIONS. Empty container may contain product residue. Follow safety procedures until container has been cleaned.

OTHER PRECAUTIONS:

8: FLAMABILITY

Fire/Explosion hazard	:	Upper Explosion Limit	:
Extinguishing Media	:	Lower Explosion Limit	:
May Decompose Explosively	:	Dust Explosion Limit	:

Extinguishing Media

Use Foam, CO2 or Dry Chemical.

Fire/Explosion Hazard

Product is FLAMMABLE and does represent a FIRE and EXPLOSION HAZARD. Excessively heated sealed drums may rupture EXPLOSIVELY.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxygen, Carbon dioxide, carbon monoxide and other unidentified thermal decomposition products.

9: OTHER INFORMATION

None

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