



MATERIAL SAFETY DATA SHEET CHEMSET INJECTION POLYESTER

MSDS NO: 19542
ISSUE: 8
DATE OF ISSUE: 7/8/02
PAGE 1 OF 2

- Hazardous according to criteria of Worksafe Australia. -

Ramset Fasteners (Aust) Pty Limited ACN 004 297 009
A Division of ITW Construction Products
Maroondah Highway,
Mooroolbark. Victoria. Australia. 3136
Telephone: 03 9726 6222
Emergency Telephone Number: 03 9726 6222 (Monday to Friday. 8 am to 5 pm EST)

PRODUCT IDENTIFICATION

Product Name:	Chemset Injection Polyester
Manufacturer's Product Code:	C101C, C101J, C102C, C102J, C101M, ISKP, ISKPT
Other Names:	Polyester
Resin Kit, Chemset 100 Series	
UN Number:	3269
Dangerous Goods Code:	3
Hazchem Code:	3 [Y]
Poisons Schedule:	S5
Packaging Group	III

Primary Use:

Anchoring metal studs into concrete.

Physical Description / Properties

Appearance:	Part A – Grey to purple viscous fluid
	Part B – Green Paste
Flammability Limit:	Upper Explosive Limit: 6.1% Lower Explosive Limit: 1.1%
Boiling Point / Melting Point:	760 mm Hg: 145 deg. Celsius
Vapour Pressure:	at 760mm Hg @ 25 deg. C – Not known
Flashpoint:	approx. 31 degrees Celsius
Solubility in Water:	Not miscible
Specific Gravity:	Approx. 1.55 g / ml
Other Properties:	None

Ingredients

Chemical Name	CAS Number	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%	

HEALTH HAZARD INFORMATION

Health Effects

Acute:

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.

Eye – 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.

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.

Chronic:

Animal test data indicates a carcinogenic potential in animals which were exposed to styrene at elevated levels. Use of this material at or below the TWA is not considered to be harmful to most workers. Chronic exposures can also lead to a loss of appetite, weakness and concentration difficulties. No chronic affects noted for part B.

First Aid

****Take a copy of this MSDS to the Doctor****

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.

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.

Inhaled – Carefully remove persons to fresh air and avoid becoming affected 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.

First Aid Facilities

Ensure that eyewash stations are easily accessible.



MATERIAL SAFETY DATA SHEET CHEMSET INJECTION POLYESTER

MSDS NO: 19542
ISSUE: 8
DATE OF ISSUE: 7/8/02
PAGE 2 OF 2

Advice to Doctor:

ORAL: Gastrointestinal irritation, nausea, vomiting and cramping. 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.

PRECAUTIONS FOR USE

EXPOSURE: This material contains the following materials for which exposure limits have been set by WORKSAFE AUSTRALIA, as listed in the 'EXPOSURE STANDARDS FOR ATMOSPHERIC CONTAMINANTS IN THE OCCUPATIONAL ENVIRONMENT 2ND EDITION, OCTOBER 1991' is as follows:

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

Engineering Controls:

Provide explosion proof ventilation sufficient to maintain exposure levels below the listed exposure limits.

Personal Protection:

Eyes – Goggles or face shield to avoid splashes.
Hands – Impervious gloves should be worn to prevent skin contact.
Poly vinyl alcohol gloves are suitable.
Feet – Wear protective footwear.

Respiratory system – (AS1716) 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.

Clothing – Sufficient to avoid skin contact.

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

Flammability:

Flammable.

SAFE HANDLING INFORMATION

Storage and 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.

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

Spills and Disposal

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 CONTAINERS FOR DISPOSAL AS PER LOCAL, STATE/FEDERAL REGULATIONS. Empty containers may contain product residue. Follow safety procedures until container has been cleaned.

Fire / Explosion Hazard

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

Dangerous Decomposition

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

OTHER INFORMATION

Fire Fighting Recommendations

Use Foam, CO2 or Dry Chemical.

Toxicological Data

Styrene Monomer:

Oral Rat LD50 6800 mg/kg

No other data noted.

CONTACT POINT

Product Manager – Construction Chemicals
03 9726 6222