

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) Name: Lowicryl HM23. Catalogue # C460.
Other Names:
Recommended Use: Resin embedding kit.

Supplier Name: ProSciTech
Postal Address: PO Box 111, Thuringowa Central Qld. 4817 Australia
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444
Fax Number: (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to criteria of NOHSC.
Risk Phrases:
Safety Phrases:

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE:

Chemical Identity:
Common Name(s):
CAS Number(s):

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Monomers		100
Corsslinker		100
Initiator		

SECTION 4 - FIRST AID MEASURES

Swallowed: Give large amounts of water or milk and seek immediate medical attention.

Eye: Flush eyes with water for at least 30 minutes, seek medical attention.

Skin: Wash affected area with plenty of water. If irritation occurs or persists seek medical attention.

Inhaled: Remove person to fresh air. Give oxygen or artificial respiration as needed. Seek immediate medical attention.

First Aid Facilities: Safety shower, eyebath.

Medical Attention & Special Treatment:

ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water, carbon dioxide, foam, powder, dry chemical.

Hazards from Combustion: Carbon monoxide, carbon dioxide.

Products:

Precautions for Fire Fighters: Wear self-contained breathing apparatus and full protective equipment.

Hazchem Code:

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Containment and clean up: Wear self-contained breathing apparatus, rubber boots and gloves. Absorb with clay, earth, etc. and collect solid waste for disposal. Wash and ventilate spill site after pickup is complete.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:	Wear appropriate protective equipment while handling. Wash hands thoroughly after handling.
Conditions for Safe Storage:	Store in dark brown bottles away from light, heat or initiators.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards:	No exposure standard allocated.
Biological Limit Values:	No biological limit allocated.
Engineering Controls:	Mechanical ventilation.
Personal Protective Equipment:	NIOSH/MSHA approved breathing apparatus, rubber gloves, safety goggles or full face respirator. Wear protective clothing.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Monomer and Crosslinker: Colourless liquid. Initiator: White Powder.
Odour:	Monomer and Crosslinker: Strong acrylic odour.
pH:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Boiling point/range:	Monomer: 127°C.
Freezing/melting point:	Not available.
Solubility:	Monomer: 2.5% in water.
Specific gravity or density:	Monomer: 0.9
Flash Point:	32°C - Open cup.
Flammable (explosive) limits:	Not available.
Ignition temperature:	Not available.
Additional Information:	

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Unstable.
Conditions to avoid:	Exposure to high temperature and UV light and free radical initiators.
Incompatible Materials:	Oxidising materials and peroxides.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide.
Hazardous Reactions:	

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute and chronic health effects:	
Possible routes of exposure:	Inhalation, ingestion and skin/eye contact.
Range of effects following exposure:	May cause severe irritation to skin, eyes and respiratory system. The initiator is toxic by ingestion, absorption or inhalation. Vapours may irritate eyes may cause skin irritation and allergenic sensitivity.
Dose likely to cause injury:	
Delayed effects:	
Relevant negative data:	

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	
Persistence and degradability:	
Mobility:	
Additional Information:	

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:	Mix waste with a combustible material and burn in a suitably equipped chemical incinerator. Disposal must comply with Federal, State and Local Regulations.
Special Precautions:	

SECTION 14 - TRANSPORT INFORMATION

UN Number: UN1993
UN Proper Shipping Name: Flammable Liquid, n.o.s.
Class and Subsidiary risk: 3
Packing Group: III
Special Precautions for User:
Hazchem Code:

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None allocated

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: 27 September 2007
