

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product (material) Name:** Lowicryl K4M. Catalogue # C430.  
**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 (Methacrylic and Acrylic esters)		
Crosslinker ( Triethyleneglycol-di-methacrylate)		
Initiator (benzion-methyl-ether)		

## SECTION 4 - FIRST AID MEASURES

**Swallowed:** Give large amounts of water or milk, seek immediate medical attention.  
**Eye:** Flush eyes for at least 30 minutes. Seek medical attention.  
**Skin:** Wash affected area with plenty of water. If irritation occurs/persists seek medical attention.  
**Inhaled:** Remove to fresh air. Give oxygen or artificial respiration as needed. Get 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.  
**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 sand, vermiculite or sawdust and put in a container for future disposal. Wash and ventilate spill site after pick up is complete.

**SECTION 7 - HANDLING & STORAGE**

<b>Precautions for Safe Handling:</b>	Wear appropriate protective equipment. Wash hands thoroughly after handling.
<b>Conditions for Safe Storage:</b>	Store material in brown bottles, away from direct sunlight, heat and initiators.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>National Exposure Standards:</b>	No exposure standard allocated.
<b>Biological Limit Values:</b>	No biological limit allocated.
<b>Engineering Controls:</b>	Use under a fume hood.
<b>Personal Protective Equipment:</b>	Use and MHSA/NIOSH approved respirator, impervious protective gloves, safety goggles and full face respirator.

**SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES**

<b>Appearance:</b>	Monomers and Crosslinker: Colourless liquid. Initiator: White Powder.
<b>Odour:</b>	Monomers and Crosslinker: strong acrylic odour.
<b>pH:</b>	Not available.
<b>Vapour pressure:</b>	Not available.
<b>Vapour density:</b>	Not available.
<b>Boiling point/range:</b>	Monomers: >246°C.
<b>Freezing/melting point:</b>	Not available.
<b>Solubility:</b>	Monomers: 1% in water.
<b>Specific gravity or density:</b>	Monomers: 1.015g/cm
<b>Flash Point:</b>	90°C.
<b>Flammable (explosive) limits:</b>	Not available.
<b>Ignition temperature:</b>	Not available.
<b>Additional Information:</b>	Percent volatile by volume(%): Monomers - 100

**SECTION 10 - STABILITY AND REACTIVITY**

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

**SECTION 11 - TOXICOLOGICAL INFORMATION**

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

**SECTION 12 – ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	
<b>Persistence and degradability:</b>	
<b>Mobility:</b>	
<b>Additional Information:</b>	

**SECTION 13 - DISPOSAL CONSIDERATIONS**

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

**SECTION 14 - TRANSPORT INFORMATION**

**UN Number:**

**UN Proper Shipping Name:**

**Class and Subsidiary risk:**

**Packing Group:**

**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

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