

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) Name: LR Gold Resin. Catalogue # C028.

Other Names:

Recommended Use: Embedding Resin.

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: LR Gold Resin.

Common Name(s):

CAS Number(s):

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Polyhydroxy substituted bisphenol		80
C12 methacrylate ester		19.6
Dimethyl para toluidine		0.4

SECTION 4 - FIRST AID MEASURES

Swallowed:

Eye: Immediately flush eyes with plenty of water for at least 15 minutes.

Skin: Flush skin with plenty of water and cover the area with moisturising cream.

Inhaled:

First Aid Facilities: Safety shower and eyebath.

Medical Attention & Special Treatment:

ADDITIONAL INFORMATION: Resin based on resins used in dental fillings. The dimethyl para toluidine is referred to in NIOSH toxic hazard exists, especially since the concentrations are of the same order as those used in dental resins cured in the mouth. The resin is of very low viscosity and designed to penetrate biological tissue being an embedding resin. Hence care should be taken to minimise skin contact. This is especially true if there is a previous history of allergy to methacrylates.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Hazards from Combustion

Products:

Precautions for Fire Fighters: Wear appropriate protective equipment.

Hazchem Code:

SECTION 6 - ACCIDENTAL RELEASE MEASURES**Emergency Procedures:**

Containment and clean up: Wear appropriate protective equipment, refer to Section 8. Clean up the spill immediately.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling: Wash hands thoroughly with soap and water. Avoid all contact with skin and eyes.

Conditions for Safe Storage:

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: No exposure standard allocation.

Biological Limit Values: No biological limit allocated.

Engineering Controls: Use in a well ventilated area.

Personal Protective Equipment: Wear appropriate protective equipment to prevent contact with skin and eyes.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:

Odour: Not available.

pH: Not available.

Vapour pressure: Not available.

Vapour density: Not available.

Boiling point/range: Not available.

Freezing/melting point: Not available.

Solubility: Not available.

Specific gravity or density: Not available.

Flash Point: >120°C.

Flammable (explosive) limits: Not available.

Ignition temperature: Not available.

Additional Information:

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability: Stable under normal storage and handling conditions.

Conditions to avoid:

Incompatible Materials:

Hazardous Decomposition

Products:

Hazardous Reactions:

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute and chronic health effects:

Possible routes of exposure:

Range of effects following exposure:

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: Dispose of resin and catalyst by combining the two in a well ventilated container, eg. a bucket. To polymerise safely, add 0.9% of benzoyl peroxide. The resin will then cure with a little fuming as it exotherms and should be placed in a fume cupboard or outside whilst this occurs. The cool resin is harmless and may be disposed of with non-toxic waste.

Special Precautions:

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: 22 May 2007
