

# MATERIAL SAFETY DATA SHEET

## LR White Resin

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Date of Issue: 18 Sept. 06

### STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to criteria of Worksafe Australia

### COMPANY DETAILS

**Company:** ProSciTech  
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### IDENTIFICATION SECTION

<b>Product Name</b>	LR White Resin
<b>Other Names</b>	
<b>Product Code</b>	C023, C024
<b>U.N. Number</b>	None allocated
<b>Dangerous Goods Class and Subsidiary Risk</b>	None allocated
<b>Hazchem Code</b>	None allocated
<b>Poison Schedule</b>	None allocated
<b>Use</b>	Embedding resin

### Physical Description and Properties

<b>Appearance</b>	Clear liquid
<b>Boiling Point/Melting Point</b>	No data
<b>Vapour Pressure</b>	
<b>Specific Gravity</b>	
<b>Flash Point</b>	>120°C
<b>Flammability Limits</b>	Not determined
<b>Solubility in water</b>	15%

### Other Properties

#### Ingredients

Chemical Name	CAS Number	Proportion
Polyhydroxy substituted bisphenol A dimethacrylate resin		80%
C12 methacrylate ester		19.6%
Benzoyl peroxide		0.9%

## HEALTH HAZARD INFORMATION

### Health Effects:

#### *Acute*

The resin is based on resins used in dental fillings. It 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.

### First Aid:

#### Swallowed:

#### Eye:

Avoid all contact with eyes. If resin gets into the eyes, wash eyes gently with distilled water for 15 minutes and have eyes examined by a qualified doctor, preferably an eye specialist.

#### Skin:

Avoid unnecessary contact with skin. Wash hands after use with soap and warm water. Apply a moisturising cream after use if large amounts have been spilt on the skin.

#### Inhaled:

#### First Aid Facilities:

Eye bath, safety shower

### Advice to Doctor

## PRECAUTIONS FOR USE

#### Exposure Standards:

No exposure standard established

#### Engineering Controls:

#### Personal Protection:

Wear gloves

#### Flammability:

Not flammable under conditions of use.

## SAFE HANDLING INFORMATION

#### Storage and Transport:

The resin should be kept cool (4<sup>0</sup>C) to prevent premature polymerisation.

#### Spills and Disposal:

Dispose of resin and catalyst by combining the two in a well-vented container, e.g. a bucket. To polymerise the resin safely add 2.5% di-methyl p. toluidine. 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 other non toxic waste.

#### Fire/Explosion Hazard:

The resin is combustible. The flash point exceeds 120<sup>0</sup>C. If excess catalyst is added a high exotherm may result. This is only a risk if the container holding the mixture is not vented

## OTHER INFORMATION

#### Incompatibilities

No data

#### (Materials to avoid)

#### Animal Toxicity Data:

No data

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