MATERIAL SAFETY DATA SHEET
LR White Resin

STATEMENT OF HAZARDOUS NATURE
Not classified as hazardous according to criteria of Worksafe Australia

COMPANY DETAILS
Company: ProSciTech
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IDENTIFICATION SECTION
Product Name LR White Resin
Other Names
Product Code C023, C024
U.N. Number None allocated
Dangerous Goods Class None allocated
and Subsidiary Risk Hazchem Code None allocated
Poison Schedule None allocated
Use Embedding resin

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

Other Properties

Ingredients
Chemical Name Polyhydroxy substituted bisphenol A
dimethacrylate resin
C12 methacrylate ester
Benzoyl peroxide

CAS Number

Proportion

80%
19.6%
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:

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.

Eye:

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.

Skin:

Inhaled:

First Aid Facilities: Eye bath, safety shower

Advice to Doctor

PRECAUTIONS FOR USE

Exposure Standards: No exposure standard established

Engineering Controls: Wear gloves

Personal Protection: Not flammable under conditions of use.

SAFE HANDLING INFORMATION

Storage and Transport:
The resin should be kept cool (4°C) to prevent premature polymerisation.

Spills and Disposal:
Dispose of resin and catalyst by combining the two in a well-ventilated 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°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
(Materials to avoid) No data

Animal Toxicity Data: No data

The information published in this Material Safety Data Sheet has been compiled from data in various technical publications. It is the user’s responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.