

# MATERIAL SAFETY DATA SHEET

*Product Name:* Lowicryl HM23 Kit

*Catalog Number:* 21265

*Formula:* Kit is composed of Monomers (ethyl methacrylate and n-butyl methacrylate), Crosslinker (1,3-butanedioldimethacrylate) and Initiator (benzoin methyl ether)

*DOT Hazard Class:* 3

*DOT Proper Shipping Name:* Flammable Liquids

*UN/NA ID No.:* UN2277

*MSDS Updated:* 9/2011

*Distributed By:* Ladd Research

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## HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Monomers	Not Available	100%	None Established
Crosslinker	Not Available	100%	None Established
Initiator			

## PHYSICAL AND CHEMICAL DATA (for Monomer)

*Boiling Point:* 127°C

*% Volatile by Volume:* No data

*Specific Gravity:* 0.9

*Solubility in Water:* 2.5%

*Appearance and Odor:* Colorless liquid. Strong acrylic odor (Monomer and Crosslinker); White powder (Initiator).

## FIRE AND EXPLOSION HAZARD DATA

*Flash Point:* 32°C

*Test Mode:* Open cup

*Flammable Limits:* No Data Available

*Extinguishing Media:* Water, carbon dioxide, foam, powder, dry chemical

*Special Fire Fighting Procedures:* Firefighters must wear self-contained breathing apparatus and fully protective equipment.

## HEALTH HAZARD DATA

*Effects of Overexposure:* Irritant. Lachrymator: May cause severe irritation to skin, eyes, and respiratory system.

The initiator is toxic by ingestion, absorption or inhalation. Vapors may irritate eyes and may cause skin irritation and allergenic sensitivity. Handle with the care required by good laboratory practice.

## EMERGENCY AND FIRST AID

*Skin:* Wash affected area with copious amounts of water.

*Eye:* Flush eyes with water for at least 30 minutes. See physician.

*Inhalation:* Remove to fresh air. Give oxygen or artificial respiration as needed. Call physician.

*Ingestion:* Give large amounts of water or milk and transport to medical facility.

## REACTIVITY DATA

*Stability:* Unstable.

*Conditions to Avoid:* Exposure to high temperature and UV light and free radical initiators.

*Incompatibility:* Oxidizing material, peroxides.

*Hazardous Decomposition Products:* Carbon monoxide, carbon dioxide.

*Hazardous Polymerization:* May occur.

*Conditions to Avoid:* Exposure to high temperature, UV light, initiators.

## SPILL, DISPOSAL AND STORAGE INFORMATION

*Spill:* 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.

*Waste Disposal:* Mix waste with a combustible carrier and burn in a suitably equipped chemical incinerator.

Disposal must comply with federal, state and local regulations.

*Storage:* Store material in dark brown bottles away from light, heat or initiators.

***PROTECTIVE EQUIPMENT AND CONTROL MEASURES***

*Respiratory:* OSHA/MSHA approved respirator.

*Ventilation:* Mechanical ventilation.

*Gloves:* Rubber

*Eye:* Safety goggles or full face respirator.

*Other:* Safety shower and eye bath.

***SECTION 313 SUPPLIER NOTIFICATION***

Not applicable.

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