

O · P · I P · R · O · D · U · C · T · S

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: L-2000 LIQUID MONOMER

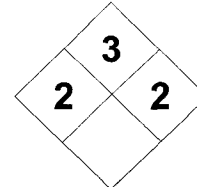
Date Prepared: 10/01/86

Date Revised: 8/11/98

Name of Preparer: Sunil Sirdesai

POISON CONTROL CENTER
CHEMTREC
1-800-424-9300

HEALTH = 2
FLAMMABILITY = 3
REACTIVITY = 2



SECTION II - HAZARDOUS INGREDIENTS

Chemical Names	CAS Numbers	Exposure Limits
Ethyl Methacrylate	97-63-2	25 ppm
Ethylene Glycol Dimethacrylate	97-90-5	
Dimethyl-p-toluidine	99-97-8	
Hydroquinone, methyl ether	150-76-5	5 mg/m3

0 = MINIMAL,
1=SLIGHT,
2=MODERATE,
3=SERIOUS,
4=SEVERE

SECTION III - REACTIVITY DATA

Stability: Stable

Incompatibility: Heat and ignition sources; storage under inert atmosphere; contamination.

Incompatibility: Reducing and oxidizing agents. Material has strong solvent properties and can soften paint or rubber.

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Smoke

Hazardous Polymerization: May occur

Conditions to Avoid: Excessive heat, storage in absence of inhibitor, inadvertent addition of catalyst.

SECTION IV - HEALTH HAZARD INFORMATION

Symptoms of Overexposure:

Inhaled: Overexposure may cause irritation of eye, nose, and respiratory tract. May cause central nervous system effects such as dizziness, headache, nausea, and loss of consciousness.

Contact with Skin or Eyes: Vapor may cause irritation of the eyes, liquid may cause moderate irritation. Repeated or prolonged contact may cause allergic skin rash, itching, and swelling.

Absorbed Through Skin: Overexposure may cause dizziness, headache, or vomiting.

Swallowed: Induce vomiting and get prompt medical attention. Low oral toxicity.

Health Effects from Overexposure:

Acute: Oral, rats: LD=13460mg/kg; Inhalation, rats: LD=2700-3200 ppm/8hr

Chronic: None known

First Aid - Emergency Procedures:

Eye Contact: Immediately flush with plenty of water for at least 15 minutes; call a physician.

Skin Contact: Wash with soap and water. If irritation occurs, contact a physician.

Inhaled: Remove to fresh air. If having breathing difficulty, administer oxygen. If not breathing, administer artificial respiration. Call a physician.

Swallowed: Induce vomiting and get prompt medical attention. Low oral toxicity.

IN ALL OF THE ABOVE EMERGENCY CASES, CALL A PHYSICIAN.

Suspected Cancer Agent: No

Medical Conditions Aggravated by Exposure: None Known.

This products ingredients are not found in the following lists:

OSHA, NTP, IARC.

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ADDITIONAL INFORMATION CONTINUED ON THE OTHER SIDE

MATERIAL SAFETY DATA SHEET

Product name: L-2000 Liquid Monomer

SECTION V - SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill Response Procedures: Remove sources of ignition. Prevent skin contact and breathing of vapor. Confine and remove with inert absorbent. Ventilate area.

Preparing Wastes for Disposal: EPA listed hazardous waste under RCRA (U-118). Do not allow material to contaminate ground water systems. Incinerate in a facility which complies with federal, state, and local requirements. Do not incinerate in closed containers.

SECTION VI - SPECIAL HANDLING INFORMATION

Ventilation and Engineering Controls: Provide sufficient ventilation in volume and pattern to keep airborne levels below 100 ppm. Use explosion-proof equipment.

Respiratory Protection: When levels exceed 100 ppm, wear self-contained breathing apparatus.

Eye Protection: Splashproof Goggles **Gloves:** Neoprene gloves are recommended.

Other handling and storage requirements: Observe label precautions. Keep away from heat, direct sunlight, sparks, and flame. Close containers after each use. Ground containers while pouring. Regulations related to flammable liquid should be followed. Permit air space to exist inside stored containers. Material stored for more than 3 months should have inhibitor level checked and maintained.

SECTION VII - PHYSICAL PROPERTIES

Vapor Density (air=1): 3.94 (at 60 degrees, 1 atm)

Specific Gravity: 0.918 (at 60 degrees)

Solubility in Water: 0.5 (g/100g, 68 degrees)

Vapor Pressure, mmHg at 20 Degrees C: <14

Melting Point (Degrees Fahrenheit): N.A.

Boiling Point (Degrees Fahrenheit): >243

Evaporation Rate (Butyl Acetate=1): 1.5

Appearance and Odor: Clear liquid, mold odor.

SECTION VIII - FIRE AND EXPLOSION

Flash Point (Fahrenheit) and Method: 70 (Tag closed cup)

Flammable Limits in Air, Volume %: Lower: 1.8; Upper: Sat

Fire Extinguishing Materials: Carbon Dioxide, Foam, Dry Chemical

Special Firefighting Procedures: Full protective equipment, including self-contained breathing apparatus, is recommended. Cool containers of material exposed to heat with cold water spray. Fight fires from a safe distance or protected areas.

Unusual Fire and Explosion Hazards: Sealed containers exposed to elevated temperatures may rupture explosively due to polymerization. Vapors are heavier than air and may travel to ignition source.

SECTION IX - USERS RESPONSIBILITY

A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be determined if, or where, precautions, in addition to those described herein should be passed on to your customers or employees, as the case may be. OPI Products Inc. must rely on the user to utilize the information we have supplied to develop work practice guidelines and employee instructional programs for the individual operation and regulations.

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