

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

## L-2000 LIQUID MATERIAL SAFETY DATA SHEET



### SECTION I - PRODUCT IDENTIFICATION

Product Name: L-2000 Liquid  
Date Prepared: 10/01/86  
Name of Preparer: R. Eric Montgomery

### SECTION II - HAZARDOUS INGREDIENTS

Chemical Name: Ethyl Methacrylate  
CAS Numbers: 97-63-2  
Exposure Limits (OPI): 100 ppm  
Chemical Name: Ethylene Glycol Dimethacrylate  
CAS Numbers: 97-90-5  
Chemical Name: Dimethyl-p-toluidine  
CAS Numbers: 99-97-8  
Chemical Name: Hydroquinone, methyl ether  
CAS Number: 150-76-5  
Exposure Limits (RTECS): 5 mg/m<sup>3</sup>

### SECTION III - 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): Not applicable  
Boiling Point (Degrees Fahrenheit): >243  
Evaporation Rate (Butyl Acetate=1): 1.5  
Appearance and Odor: Clear liquid, mold odor.

### SECTION IV - 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 V - 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/8hrs.  
Chronic: None known

### First Aid - Emergency Procedures:

"For the natural looking nail"

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.

### SECTION VI - 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 VII - SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill Response Procedures: Remove sources of ignition. Prevent skin contact and breathing of vapor. Confine and remove with inert absorbant. 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 VIII - 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 container after each use. Ground containers when pouring. Regulations related to storage of flammable liquids should be followed. Permit air space to exist inside storage containers. Material stored more than 3 months should have inhibitor level checked and maintained at the original level.

ADDITIONAL INFORMATION CONTINUED ON THE OTHER SIDE

## **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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