

MATERIAL SAFETY DATA SHEET

METAL PREP

1 - IDENTIFICATION

Manufacturer: Kerr Corporation
Address: 1717 West Collins Avenue
City, State, Zip: Orange, CA 92867
Telephone: 1-800-KERR-123
Emergency: Chemtrec 1-800-424-9300
International 1-703-527-3887
Date Prepared: September 9, 2005
Date Revised: March 2008

2 - COMPOSITION INFORMATION

Hazardous Ingredients

	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Methyl Methacrylate Monomer	80-62-6	100ppm	100ppm	> 99

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212 °F
Specific Gravity (H₂O = 1): 0.95
Vapor Pressure (mm Hg): 28 mm Hg @ 20 °C
Melting Point: -48 °F
Vapor Density (AIR = 1): 3.6
Solubility in Water: 1.6 WT % @ 20 °C
Evaporation Rate: N/D
Reactivity in Water: N/A
Appearance and Odor: Colorless liquid with an acrid, fruity odor

4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 49 °F (TCC)
Flammable Limits: LEL: 2.1 UEL: 12.5
Extinguishing Media: Chemical foam, carbon dioxide, dry chemicals, water fog.
Special Fire Fighting Procedures: Fight fires from a safe distance. Cool exposed material with cold water spray. Vapors are heavier than air and may travel to ignition source.
Auto-Ignition Temperature: 421 °C
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 sources.

5 - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Heat and ignition sources should be avoided. No hazard when stored according to directions.
Incompatibility (Material to Avoid): Reducing and oxidizing agents should be avoided. Material has strong solvent action and can soften paint and rubber.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, smoke
Hazardous Polymerization: May occur

6 - HEALTH HAZARD DATA

Routes of Entry:
Skin: Liquid or high vapor concentration may cause skin rashes.
Eyes: Liquid or high vapor concentration may cause irritation.
Inhalation: Prolonged exposure may lead to headaches, nausea, drowsiness and unconsciousness.
Ingestion: May cause gastrointestinal distress.
Carcinogenicity - NTP: No
IARC Monographs: No **OSHA Regulated Carcinogen:** No

7 - EMERGENCY FIRST AID PROCEDURES

Skin: Wash with soap and water.
Eyes: Immediately flush with water for 15 minutes. Contact a physician.
Inhalation: Move to fresh air. Administer oxygen or give artificial respiration as required.
Ingestion: Contact a physician immediately.

8 - PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled: For high vapor concentration, evacuate area and eliminate ignition sources. Absorb spills with inert material and transfer to suitable container for disposal.
Waste Disposal Method: Material should not be allowed to drain to sewers. Incinerate liquid in proper equipment. Dispose of in accordance with federal, state and local regulations.
Precautions to be taken in handling and storing: Store in a cool, dark place. Keep away from ignition sources.

9 - CONTROL MEASURES

Respiratory Protection (Specify Type): When vapors exceed 100ppm use self-contained breathing apparatus.
VENTILATION:
Local Exhaust: Sufficient to keep concentration below 100ppm.
Mechanical (General): Usually sufficient
Protective Gloves: Protective gloves recommended
Eye Protection: Safety glasses
Other Protective Clothing or Equipment: Eyeshaw
Work/Hygiene Practices: Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

10 - TRANSPORTATION INFORMATION

Regulated: DOT, IATA, IMO
Proper Shipping Name: Methyl Methacrylate Monomer (Inhibited)
Hazard Class: 3
Identification Number: UN 1247
Packing Group: II
Label: Flammable Liquid

11 - SPECIAL INFORMATION

HMS (Hazardous Material Identification System) Rating: H2 F3 R2
[HMS Index: 4 - Severe Hazard; 3 - Serious Hazard; 2 - Moderate Hazard; 1 - Slight Hazard; 0 - Minimum Hazard]

Note: This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product. The information in this MSDS is, to the best of our knowledge, believed to be accurate.