

MATERIAL SAFETY DATA SHEET

Distributed by:
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Identification

Product Name PLASTEX Liquid
Product Type Flammable liquid type
Product use Liquid plastic repair

<u>HAZARDOUS COMPONENTS</u>	<u>% by wt.</u>	<u>CAS Number</u>	<u>ACGIH TLV</u>
<u>Methyl Methacrylate</u>	<u>99.9</u>	<u>10-62-6</u>	<u>100ppm</u>

CHEMICAL AND PHYSICAL DATA

Appearance and color clear colorless liquid with a fruity and acrid odor
DOT CLASS Flammable Liquid
ID NUMBER UN1247
Solubility Miscible in ethanol, diethyl ether and acetone: slightly soluble in water.
Specific Gravity 0.945 at 20 degrees Centigrade
Molecular weight: 100.13
Melting Point -48 degrees Centigrade
Boiling point 101 degrees Centigrade at 760 torr
Vapor pressure 40 torr at 25.5 degrees Celsius
Flash point 10 degrees Centigrade (open cup), 50 degrees F.

The commercial form of methyl Methacrylate (99.8 %pure) contains trace amounts of stabilizers to prevent premature polymerization.

4.0 FIRE AND EXPLOSION DATA

4.1 Fire and explosion Hazard; Flammable liquid. May polymerize explosively. Closed container may rupture violently when heated. Vapors are heavier than air and may travel to a source of ignition and spread fire.

<u>4.2</u>	<u>ACGIH</u>	<u>OSHA PELs</u>	<u>NIOSH RELs</u>
	<u>100ppm/410mg/m³</u>	<u>100ppm/410mg/m³</u>	<u>100ppm/410mg/m³</u>

4.3 Flashpoint; 10 degrees Centigrade (oe) Flammable limits: Lower 1.8% Upper 8.2%

5.0 REACTIVITY DATA

5.1 Stability; Stable under normal condition of use.

5.2 May polymerize if subjected to heat, oxidizers, or ultraviolet light.

5.3 Conditions to avoid: Nitrates, oxidizers, peroxides, strong alkalis, heat, & moisture.

5.4 Store in a cool place away from heat, sparks or open flame.

5.5 Hazardous decomposition products include CO, carbon dioxide, and acrid fumes.

Uninhibited monomer vapor may form polymer in vents and other confined spaces.

6.0 SPILL OR LEAK PROCEDURES;

6.1 In case of spill use water spray. Absorb with inert material (e.g. dry earth), then place in a chemical waste container. (For large spills dike for later disposal.

6.2 Remove all sources of ignition.

6.3 Provide adequate ventilation,

6.4 Notify appropriate authorities.

6.5 Disposal method: comply with federal, and state and local regulations.

7.0 HEALTH HAZARD DATA

Toxic. May cause irritation or burning of skin, eyes. Nose. And throat. Inhalation may cause headache, nausea, vomiting, confusion, dizziness and unconsciousness.

8.0 FIRST AID

8.1 In case of eye contact flush immediately with cool running water for at least 15 minutes. If irritation persists, get medical attention immediately.

8.2 In case of skin contact water flush promptly and remove the clothing that might be contacted. If redness or irritation persists get immediate medical help.

8.3 If ingested do not induce vomiting. Get immediate attention.

8.4 If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

9.0 PROTECTIVE MEASURES:

9.1 Provide adequate ventilation keep away from heat, sparks. And flame.

9.2 Use personal protective equipment such as goggles, gloves, and respiratory gear.

9.3 Wash hands after handling the materials.

9.4 Wear special protective clothing and positive pressure self contained breathing apparatus in case of emergency response.

10.0 STORAGE RECOMMENDATION

10.1 Separate from oxidizing materials, peroxide, or other initiator, Store in cool dry well ventilated place.

10.2 Always keep container closed.

11.0 ADDITIONAL INFORMATION/ PRECAUTION

All components registered in accordance with TSCA; Yes

Reportable chemicals under SARA TITLE III, CERCLA; Yes

TOXICITY DATA: carcinogenicity LARC: Group 3, not classifiable as to its carcinogenicity to humans. MMA is irritating to the skin, eyes, and mucous membranes in humans and has been reported to cause allergic dermatitis or stomatitis. In a study cited in the TLV documentation, irritation was reported at concentrations of 170-250 ppm. MMA is reported to have a distinctive pungent smell with an odor threshold of less than 1 ppm.

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