

**1. Chemical Product and Contact Information**

Issued: 12/05/08

Product Name:	LECOSET 7007	Part Numbers:	
	Liquid	813-003	813-003-HAZ
LECO Corporation		813-003-010	813-055
3000 Lakeview		813-055-HAZ	813-055-010
St. Joseph, Michigan 49085		813-102-HAZ	813-107-HAZ
Information: 269-983-5531		KIT:	
Chemtrec: 800-424-9300		813-001	813-001-HAZ
(Chemtrec Int'l: 703-527-3887)		813-001-010	813-091
		813-091-HAZ	813-101-HAZ

2. Composition/Information on Ingredients

<u>Component</u>	<u>CAS No.</u>	<u>OSHA PEL (mg/m³)</u>	<u>ACGIH TLV (mg/m³)</u>	<u>Typical % by Weight</u>
Methyl Methacrylate Monomer, Stabilized	80-62-6	410	410	94 - 96
1,4-butanedioldi- methacrylate	2082-81-7	Not avail.	Not avail.	3
Phosphorous acid triisopropylester	116-17-6	Not avail.	Not avail.	0.8
N, N-dimethyl-p- toluidine	99-97-8	Not avail.	Not avail.	0.7

3. Hazard Identification**EMERGENCY OVERVIEW**

Serious fire and spill hazard; serious inhalation/skin absorption health risk. Yellowish liquid with a distinctive ester-like odor.

Potential Health Effects

EYES: Vapor or mist is irritating.

SKIN: Irritating. May cause sensitization.

INHALATION: Vapor or mist is irritating to mucous membranes and upper respiratory tract. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

INGESTION: Harmful if swallowed.

MEDICAL CONDITIONS AGGRAVATED: May cause allergic respiratory and skin reactions.

CHRONIC OVEREXPOSURE: Not available.

ACUTE OVEREXPOSURE: Prolonged exposure can cause narcotic effect.

CARCINOGENICITY: None.

P/N: 813-003

4. First Aid Measures

EYES: Rinse immediately with opened lid for 15 minutes with plenty of running water and seek medical advice.

SKIN: Immediately take off all contaminated clothing and wash skin with plenty of water. After contact with skin, wash immediately with polyethylene glycol 300 / ethyl alcohol 2:1 and rinse with plenty of water and soap.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: Wash out mouth with water provided person is conscious. Call a physician.

5. Fire Fighting Measures

FLAMMABLE PROPERTIES: Flammable. Flash Point: 50° F. (10° C.) Method Used: Not given.

Flammable Limits (% by Volume in Air, 77° F. (25° C.), 1011 mbar): Lower: 2.1 Upper: 12.5

AUTO-IGNITION TEMPERATURE: 815° F. (430° C.)

HAZARDOUS COMBUSTION PRODUCTS: Toxic fumes of carbon monoxide, carbon dioxide.

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical powder, alcohol or polymer foam.

FIREFIGHTING INSTRUCTIONS: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use water spray to cool fire-exposed containers. Flammable liquid. Vapor may travel considerable distance to source of ignition and flash back. May undergo polymerization. Container explosion may occur under fire conditions.

6. Accidental Release Measures

SMALL/LARGE SPILL: Evacuate area. Shut off all sources of ignition. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Cover with an activated carbon adsorbent, take up and place in closed containers. Transport outdoors. Ventilate area and wash spill site after material pickup is complete.

7. Handling and Storage

HANDLING: Fill only 80% of the container. Maintain well-ventilated working place and/or exhaust filter. Do not breathe vapors. Do not get in eyes, on skin or on clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Corrosive, Lachrymator, Sensitizer. It is advisable to use material within six months.

STORAGE: Keep container closed. Keep away from heat, sparks and open flame. Refrigerate. Do not store under inert atmosphere.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Use efficient local ventilation.

RESPIRATORY PROTECTION: Use approved respirator, if exposed to vapors.

SKIN AND HAND PROTECTION: If skin contact cannot be avoided, protective gloves are recommended.

EYE AND FACE PROTECTION: Chemical safety goggles or faceshield.

OTHER PROTECTIVE EQUIPMENT: Safety shower and eye bath, light weight protective clothing.

9. Physical and Chemical Properties

APPEARANCE: Yellowish liquid.
BOILING POINT: 212° F. (100° C.)
FREEZE-MELT POINT: -55° F. (-48° C.)
VAPOR PRESSURE (mm): 40 mbar @ 68° F. (20° C.)
64 mbar @ 86° F. (30° C.)
0.5 mPas @ 104° F. (40° C.)
VAPOR DENSITY (air = 1): Not available.
SOLUBILITY IN WATER: Slightly soluble.
SPECIFIC GRAVITY: 0.936
pH: Not applicable.
ODOR: Distinctive ester-like odor.
PERCENT VOLATILES: 24.7 grams /liter.
EVAPORATION RATE (Butyl Acetate = 1): Not available.

10. Stability and Reactivity

CHEMICAL STABILITY: Stable.
INCOMPATIBILITY: Oxidizing agents, peroxides, bases, acids, reducing agents, amines, halogens, heat. May polymerize on exposure to light.
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of carbon monoxide, carbon dioxide.
HAZARDOUS POLYMERIZATION: May undergo polymerization if exposed to excessive temperatures.

11. Toxicological Information

Do not empty into waters and drains.

12. Ecological Information

RTECS NO: 0Z5075000
Methacrylic acid, methyl ester
Oral Rat LD₅₀: 7872 mg/kg Intraperitoneal Rat LD₅₀: 1328 mg/kg
Intramuscular Rat LD₅₀: 7500 mg/kg Intramuscular Dog LD₅₀: 4500 mg/kg

13. Disposal Consideration

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state and local laws.

14. Transportation Information

U.S.A. DOT: Methyl Methacrylate Monomer, Stabilized, 3(Flammable Liquid) UN1247, PGII,
(Flash Point 55F/13C IMDG Page No. 50.
Marine Pollutant: No

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

TSCA STATUS: On Toxic Substance Control Inventory.
 CERCLA REPORTABLE QUANTITY: Methyl Methacrylate, 1000 lbs.
 SARA TITLE III:
 Section 302 Extremely Hazardous Substances: None.
 Section 311/312 Hazardous Categories: Fire, Acute, Chronic.
 Section 313 Toxic Chemicals: Methyl Methacrylate
 RCRA STATUS: Not regulated.

CANADIAN REGULATIONS:

WHMIS: B2, D2B

RISK PHRASES:

R-10 Flammable
 R-22 Harmful if swallowed.
 R-36/37/39 Irritating to eyes, respiratory system and skin.
 R-43 May cause sensitization by skin contact.
 R-67 Vapors may cause drowsiness and dizziness.

SAFETY PHRASES:

S-3/7/9 Keep container tightly closed in a cool, well-ventilated place.
 S-16 Keep away from sources of ignition – No smoking.
 S-26 In case of contact with eyes, rinse immediately with plenty of water and see doctor.
 S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S-41 In case of fire and/or explosion do not breathe fumes.
 S-46 If swallowed, seek medical advice immediately and show this container label.
 S-51 Use only in well-ventilated areas.
 S-63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.
 S-64 If swallowed, rinse mouth out with water (only if the person is conscious).

16. Other Information

Hazard Index: (0 – 4, 4 = Most extreme)

Health: 2 Flammability: 4 Reactivity: 2

Prepared By:
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