

**1. Chemical Product and Contact Information**

**Product Name:** Lecoset 7000, **P/N:** 813-084 813-087  
**Syrup II** **Kit Nos.:** 813-004 813-005  
**LECO Corporation** **813-056 813-089**  
**3000 Lakeview**  
**St. Joseph, MI, 49085**  
**Information: 616-983-5531**  
**Chemtrec: 800-424-9300**  
**(Chemtrec Int'l: 202-483-7616)**

**2. Composition/Information on Ingredients**

<u>Component</u>	<u>CAS No.</u>	<u>OSHA PEL (mg/m<sup>3</sup>)</u>	<u>ACGIH TLV (mg/m<sup>3</sup>)</u>	<u>Other Limits</u>	<u>Typical % by Weight</u>
Higher Methacrylic Esters	Mixture				45.5
Methyl Methacrylate	80-62-6	210	Not avail.		44.5
Styrene	100-42-5	Not avail.	Not avail.		8.9
Dimethyl-p-toluidine	99-97-8	Not avail.	Not avail.		0.9

(Most data in this sheet is for Methyl Methacrylate.)

**3. Hazard Identification**

**EMERGENCY OVERVIEW**

Serious fire hazard, minor spill hazard; moderate general health risk. Colorless liquid with characteristic odor.

**Potential Health Effects**

**EYES:** Can be irritating.

**SKIN:** Harmful by contact. May cause sensitization

**INHALATION:** Harmful.

**INGESTION:** Harmful.

**MEDICAL CONDITIONS AGGRAVATED:** Not available.

**CHRONIC OVEREXPOSURE:** Repeated or prolonged contact may cause allergic skin rash, itching, swelling.

**ACUTE OVEREXPOSURE:** Inhalation overexposure may cause eye, nose and throat irritation. May cause central nervous system effects such as dizziness, headache, nausea, and loss of consciousness.

**CARCINOGENICITY:** None.

**4. First Aid Measures**

**EYES:** Rinse opened eye with plenty of running water for at least 15 minutes; seek medical advice.  
**SKIN:** Take off immediately all contaminated clothing. Wash skin with plenty of water; apply polyethylene glycol 400. Medical aid necessary with symptoms due to skin contact  
**INHALATION:** Fresh air, for safety seek medical advice. In case of unconsciousness, place and transport in lateral position.  
**INGESTION:** Induce vomiting, seek medical advice immediately. Symptoms of poisoning may develop many hours later, therefore medical supervision for at least 48 hours after an accident.

**5. Fire Fighting Measures**

**FLAMMABLE PROPERTIES:** Flammable.  
 Flash Point: 54° F. (12° C.) Method Used: DIN 51755  
 Ignition: 806° C. (430° C.) Method Used: DIN 51794  
**Flammable Limits (% by Volume in Air):**  
 Lower: 2.1 Upper: 12.5  
**AUTO-IGNITION TEMPERATURE:** Not applicable.  
**HAZARDOUS COMBUSTION PRODUCTS:** Not available.  
**EXTINGUISHING MEDIA:** Carbon dioxide, water spray jet, foam, powder type fire extinguisher.  
**DO NOT USE:** Direct water jet.  
**FIREFIGHTING INSTRUCTIONS:** Keep away from sources of ignition, take precautionary measures against static discharges. Cool containers in danger of catching fire. Highly flammable. Keep away from sources of ignition - no smoking.

**6. Accidental Release Measures**

**SMALL/LARGE SPILL:** Take up carefully with absorbent material (diatomaceous earth, sand, universal binding agent), dispose of according to regulations.

**7. Handling and Storage**

**HANDLING:** Keep away from sources of ignition - no smoking. Take precautionary measures against static discharges. After contact with skin, wash immediately with plenty of soap and water. Do not empty into drains. Fill container only 80%.  
**STORAGE:** Keep container closed in a well-ventilated place. Store in a cool area (not above room temperature.) Protect from light.

**8. Exposure Controls/Personal Protection**

**ENGINEERING CONTROLS:** Not available.  
**RESPIRATORY PROTECTION:** NIOSH/OSHA approved respiratory protection.  
**SKIN AND HAND PROTECTION:** Rubber gloves.  
**EYE AND FACE PROTECTION:** Goggles.  
**OTHER PROTECTIVE EQUIPMENT:** Usual industrial hygiene; keep work clothes separate. Immediately take off all contaminated clothing.

**9. Physical and Chemical Properties**

APPEARANCE: Colorless liquid.  
 BOILING POINT: 214° F. (101° C.)  
 FREEZE-MELT POINT: -54° F. (-48° C.)  
 VAPOR PRESSURE (mm): 40 mbar @ 68° F. (20° C.)  
 VAPOR DENSITY (air = 1): Not available.  
 SOLUBILITY IN WATER: 15 gl @ 68° F. (20° C.)  
 SPECIFIC GRAVITY: Not available.  
 pH: Not available.  
 ODOR: Characteristic odor.  
 PERCENT VOLATILES: Not available.  
 EVAPORATION RATE (Butyl Acetate = 1): Not available.

**10. Stability and Reactivity**

CHEMICAL STABILITY: Stable.  
 INCOMPATIBILITY: Not available.  
 HAZARDOUS DECOMPOSITION PRODUCTS: None with correct use and handling.  
 HAZARDOUS POLYMERIZATION: If storage time and/or temperature is considerably exceeded, product may polymerize under generation of heat.

**11. Toxicological Information**

MAK (Maximum workplace concentration) value (1989) MMA: 50 ppm = 210 mg/m<sup>3</sup>.  
 MMA is acutely only slightly toxic;  
 Oral Rat LD<sub>50</sub> = 1147 mg/kg.  
 Longterm inhalation tests (100 - 400 ppm) with rats and hamsters gave no indication of chronic toxicity (lit.).  
 DMPT is toxic: Oral Rat LD<sub>50</sub> = 1147 mg/kg.

**12. Ecological Information**

Not available.

**13. Disposal Consideration**

On consultation with local official authorities as hazardous waste. Dispose of empty containers only after cleaning. Do not empty into waters or drains.

**14. Transportation Information**

U.S.A. DOT: Flammable Liquid, Hazard Class 3, UN 1263.  
 Marine Pollutant: No

**15. Regulatory Information**

**U.S. FEDERAL REGULATIONS:**

TSCA STATUS: On Toxic Substance Control Inventory.

CERCLA REPORTABLE QUANTITY: Styrene, 1000 lbs.

Methyl Methacrylate, 1000 lbs.

**SARA TITLE III:**

Section 302 Extremely Hazardous Substances: None.

Section 311/312 Hazardous Categories: Acute, Chronic, Fire.

Section 313 Toxic Chemicals: Methyl Methacrylate  
Styrene

RCRA STATUS: Methyl Methacrylate, U162.

**16. Other Information**

**Hazard Index: (0 - 4, 4 = Extreme)**

**Health: 2**

**Fire: 3**

**Reactivity: 0**

Prepared By:



**Duane Ostenson**

*Information herein is given in good faith as authoritative and valid; however, no warranty, expressed or implied can be made.*