



Issued: 12/05/08

**1. Chemical Product and Contact Information**

**Product Name: Release Agent Part Number:**  
**811-269 811-269-HAZ**  
**LECO Corporation 811-269-010 811-996-HAZ**  
**3000 Lakeview**  
**St. Joseph, Michigan 49085**  
**Information: 269-983-5531**  
**Chemtrec: 800-424-9300**  
**(Chemtrec Int'l: 703-527-3887)**

**2. Composition/Information on Ingredients**

<u>Component</u>	<u>CAS No.</u>	<u>OSHA PEL (TWA)</u>	<u>ACGIH TLV (TWA)</u>	<u>Typical % by Weight</u>
Petroleum Naptha	8052-41-3	100 ppm	100 ppm	>70

**3. Hazard Identification****EMERGENCY OVERVIEW**

Moderate spill and serious fire hazard; serious health risk by inhalation.

**Potential Health Effects**

EYES: Slightly irritating but does not injure eye tissue.

SKIN: Low order of toxicity. Frequent or prolonged contact may irritate and cause dermatitis. Skin contact may aggravate an existing dermatitis condition.

INHALATION: High vapor/aerosol concentrations (greater than approx. 1000ppm) are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

INGESTION: Minimal toxicity. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

MEDICAL CONDITIONS AGGRAVATED: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

CHRONIC OVEREXPOSURE: Not available.

ACUTE OVEREXPOSURE: Early to moderate CNS depression may be evidenced by giddiness, headache, dizziness and nausea. In extreme cases, unconsciousness and death may occur. Aspiration and pneumonitis may be evidenced by coughing, labored breathing and cyanosis (bluish skin); in severe cases death may occur.

CARCINOGENICITY: None.

**P/N: 811-269**

**4. First Aid Measures**

**EYES:** Flush eyes with large amounts of water for at least 15 minutes. If irritation persists, seek medical attention.

**SKIN:** Wash exposed area with soap and water for at least 15 minutes. If irritation persists, seek medical attention. Remove contaminated clothing including shoes.

**INHALATION:** Remove victim to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

**INGESTION:** Do not induce vomiting. Seek medical attention immediately.

**5. Fire Fighting Measures**

**FLAMMABLE PROPERTIES:** Combustible.

Flash Point: 100° F Method Used: TCC.

Flammable Limits (% by Volume in Air):

Lower: 2.3

Upper: 14.4 @ Approximately 77° F

**AUTO-IGNITION TEMPERATURE:** Approximately 490° F

**HAZARDOUS COMBUSTION PRODUCTS:** Toxic gases will form upon combustion.

**UNUSUAL FIRE/EXPLOSION HAZARDS:** Can form combustible mixtures at temperatures at or above the flashpoint. Material can accumulate static charges, which can cause an incendiary electrical discharge.

**EXTINGUISHING MEDIA:** Mechanical foam, carbon monoxide, carbon dioxide, dry chemical, water spray, or fog. **DO NOT USE DIRECT WATER STREAM** as this liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

**FIREFIGHTING INSTRUCTIONS:** **CAUTION:** Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots) including a positive pressure NIOSH-approved self-contained breathing apparatus. Cool fire-exposed containers with water to prevent vapor pressure build-up that could result in container rupture. Container area exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

**6. Accidental Release Measures**

**LARGE SPILL:** Eliminate sources of ignition. Wear appropriate respirator and protective clothing. Dike and contain. Soak up residue with an absorbent such as clay, sand, or other suitable material; place in non-leaking containers and seal tightly for disposal. Flush area with water to remove trace residue.

**SMALL SPILL:** Take up with absorbent material and place in non-leaking container for proper disposal.

\*Under EPA-RCRA (40 CFR 261.21) if this product becomes a waste material, it would be classified as ignitable hazardous waste, Hazardous Waste No. D001. Refer to latest EPA or state regulations regarding proper disposal.

**7. Handling and Storage**

**HANDLING:** Wash with soap and water before eating, smoking, drinking or using toilet facilities. Launder contaminated clothing before reuse. Protect material from direct sunlight. Handle open containers with care. Empty containers may contain product residue.

**STORAGE:** Store away from incompatible materials in a cool dry place with adequate ventilation. Keep away from heat and open flames. Keep container closed. Do not reuse empty containers without commercial cleaning or reconditioning.

**8. Exposure Controls/Personal Protection**

**ENGINEERING CONTROLS:** Local exhaust is required if general ventilation is inadequate. Mechanical (general) is recommended to keep vapor concentrations low.

**RESPIRATORY PROTECTION:** NIOSH/MSHA approved cartridge respirator gas mask is recommended to prevent overexposure by inhalation.

**SKIN AND HAND PROTECTION:** Impermeable gloves.

**EYE AND FACE PROTECTION:** Safety glasses, chemical goggles and/or face shield.

**OTHER PROTECTIVE EQUIPMENT:** Impermeable aprons are advised when working with this product. The availability of eye washes and safety showers in work areas is recommended.

**9. Physical and Chemical Properties**

**APPEARANCE:** Pale, yellow cloudy liquid gel.

**BOILING POINT:** 315°F - 387° F. (158° - 198° C.)

**FREEZE-MELT POINT:** Not available.

**VAPOR PRESSURE (mm):** 10 @ 100° F, 1 @ 68° F

**VAPOR DENSITY (air = 1):** 4.8

**SOLUBILITY IN WATER:** <0.01% @ 77° F

**REACTIVITY IN WATER:** None

**SPECIFIC GRAVITY:** 0.779 @ 60°

**pH:** Not applicable.

**ODOR:** Typical hydrocarbon odor.

**VOLATILES:** 4.64 lbs./gal

**EVAPORATION RATE (Butyl Acetate = 1):** Not available.

**10. Stability and Reactivity**

**CHEMICAL STABILITY:** Stable.

**INCOMPATIBILITY:** Heat, open flame, strong acids and oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

**HAZARDOUS POLYMERIZATION:** None.

**11. Toxicological Information**

None reported.

**12. Ecological Information**

Not available.

**13. Disposal Consideration**

Recycle or dispose of in accordance with federal, state & local regulations.

**14. Transportation Information**

U.S.A. DOT: Petroleum Distillates, N.O.S. (Naphtha), 3 (Flammable Liquid), UN 1268, PG III, (Flash Point 112°F/44°C), IMDG Page No. 51.  
 Marine Pollutant: No

**15. Regulatory Information**

U.S. FEDERAL REGULATIONS:  
 TSCA STATUS: On Toxic Substance Control Inventory.  
 CERCLA REPORTABLE QUANTITY: None.  
 SARA TITLE III:  
     Section 302 Extremely Hazardous Substances: None.  
     Section 311/312 Hazardous Categories: Chronic, Fire.  
     Section 313 Toxic Chemicals: None.

CANADIAN REGULATIONS:  
 WHMIS: B3

**16. Other Information**

**Hazard Index: (0-4, 4=Extreme)**  
**Health: 1                  Fire: 2                  Reactivity: 0**

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