**PRODUCT IDENTIFICATION**

**PRODUCT NAME:** ENVELUBE  
**DOT PROPER SHIPPING NAME:** COMBUSTIBLE LIQUID, N.O.S (Contains Isopropanol)  
**ID NUMBER:** UN 1993 PG III  
**DOT HAZARD CLASSIFICATION:** 3

<table>
<thead>
<tr>
<th>Components</th>
<th>Percent</th>
<th>Exposure Limits</th>
<th>Units</th>
<th>Agency</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZINC STEARATE</td>
<td>&lt; 10 WT %</td>
<td>15 Mg/m³</td>
<td>ACGIH PEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS NO: 557-05-1</td>
<td></td>
<td>10 Mg/m³</td>
<td>ACGIH TLV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ISOPROPNOL</td>
<td>&lt; 5 WT %</td>
<td>400 ppm</td>
<td>PEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS NO: 67-63-0</td>
<td></td>
<td>400 ppm</td>
<td>TLV</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SARA 313 COMPONENTS – 40 CFR 372.65  
Zinc Stearate as “Zinc Compounds”
SECTION II - EMERGENCY & FIRST AID PROCEDURES

Have a physician call Los Angeles POISON INFORMATION CENTER (24 hrs.)
1-800-356-3129

INHALATION: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration. Keep person warm, quiet, and get medical attention.

EYE CONTACT: Flush eyes with large amounts of water, lifting upper and lower lids occasionally, get medical attention.

SKIN CONTACT: Thoroughly wash exposed skin with soap and water. Remove contaminated clothing and laundry before reuse.

INGESTION: Immediately drink two glasses of water and induce vomiting by either giving Ipecac syrup or by placing finger at back of throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SECTION III - HEALTH HAZARDS/ROUTES OF ENTRY

INHALATION: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.

EYES: Can cause severe irritation, redness, tearing, blurred vision.

SKIN: Prolonged or repeated contact can cause moderate irritation, defatting, and dermatitis.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Overexposure to Isopropanol has apparently been found to cause the following effects in laboratory animals: Liver abnormalities, kidney damage, brain damage.

Overexposure to Isopropanol has apparently been found to cause the following effects in humans: Kidney damage.

SECTION IV - SPECIAL PROTECTION INFORMATION

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

RESPIRATORY PROTECTION: If TLV of any component is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. (See your Safety Equipment Supplier). Engineering or administrative controls should be implemented to reduce exposure.

PROTECTIVE GLOVES: Natural rubber, Neoprene

EYE PROTECTION: Splash goggles.

OTHER PROTECTIVE EQUIPMENT: To prevent repeated or prolonged skin contact, wear impervious clothing and boots.
SECTION V - REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials. Carbon Dioxide, Carbon Monoxide, etc

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - SPILL OR LEAK PROCEDURES **HIGHWAY /RAILWAY SPILLS**

CALL CHEM TEL 1-800-255-3924 North America
(Collect) 1-813-248-0585 International

PRECAUTIONS IN CASE OF RELEASE OR SPILL: Absorb onto inert material and transfer to an appropriate container for disposal.

WASTE DISPOSAL METHOD: Contaminated absorbent may be deposited in a landfill in accordance with local, state, and federal regulations.

SECTION VII - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS: Keep from freezing. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid). All hazard precautions given in data sheet must be observed.

SECTION VIII - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 115°F (Pensky-Martin)

FLAMMABLE LIMITS IN AIR (% BY VOLUME): LEL: Isopropanol, 2.5 UEL: No Data

EXTINGUISHING MEDIA: Extinguish with dry chemical, CO2 or a universal type foam.

FIRE & EXPLOSION HAZARDS: Isopropanol vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus with a full face piece operated in pressure demand mode or other positive pressure mode.
SECTION IX - PHYSICAL DATA

APPROX. BOILING POINT: No Data  VAPOR DENSITY (AIR = 1): No Data

VAPOR PRESSURE: No Data  EVAPORATION RATE (N-BUTYL ACETATE = 1) No Data

% VOLATILE: > 90  % SOLUBILITY IN WATER: No Data

VOC: 103g/l

SPECIFIC GRAVITY: 0.99  APPEARANCE: Bluish Liquid

ODOR: Alcohol Odor

SECTION X - DOCUMENTARY INFORMATION

ISSUE DATE: 1/8/09  PRODUCT CODE NO: 16-315
PREV. DATE: 1/23/06  PREV. PROD. CODE NO: 16-315
MSDS NO: 0045  PREV. MSDS NO: N/A

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information in this document is believed to be correct as of the date issued. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM HAZARDS RELATED TO ITS USE. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

PREPARED BY: Marlo Carter