1. Company: MAGNAFLUX  
Address: 3624 West Lake Avenue, Glenview, Illinois 60026  
Telephone No.: 847-657-5300 (Off-Hour Emergency Number - CHEMTREC - 1-800-424-9300).  
Product Use: Visible inspection penetrant.  
Packages: 1 gallon and 5 gallon pails, 20 gallon drums, 55 gallon drums, Totes, aerosols, pens  
NFPA Rating: Health 1, Flammability 1, (Aerosol Flammability 4), Reactivity 0  
PIN (Canada): None  
Revision date: May 1st, 2012

2. HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Wt./Wt.%</th>
<th>CAS #</th>
<th>TLV</th>
<th>PEL</th>
<th>LD₅₀</th>
<th>LC₅₀</th>
</tr>
</thead>
<tbody>
<tr>
<td>White mineral oil (petroleum)</td>
<td>60-80</td>
<td>8042-47-5 or</td>
<td>5 mg/m³</td>
<td>5 mg/m³</td>
<td>not avail.</td>
<td>not avail.</td>
</tr>
<tr>
<td>Phthalic Esters</td>
<td>5-25</td>
<td>71888-89-5</td>
<td>not avail.</td>
<td>not avail.</td>
<td>not avail.</td>
<td></td>
</tr>
<tr>
<td>Liquefied petroleum gasses</td>
<td>30</td>
<td>68476-86-8</td>
<td>1000 ppm</td>
<td>not avail.</td>
<td>not avail.</td>
<td></td>
</tr>
</tbody>
</table>

*Aerosol Package Only

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Bland, oily liquid which may irritate the skin and eyes. Bulk material is difficult to ignite, but will burn vigorously if engulfed in fire. Aerosol is extremely flammable.

POTENTIAL HEALTH EFFECTS, AND SIGNS AND SYMPTOMS OF EXPOSURE:
Skin contact: Can irritate by removing natural skin oils on long or repeated exposures.
Eyes: May irritate.
Inhalation: Not significant at room temperatures. When heated or sprayed, vapors may cause dizziness and nausea.
Ingestion: Not significant in small (mouthful) amounts.
Medical conditions known to be aggravated by exposure to product: None

4. FIRST AID
Skin Contact: Wash off with soap and water. Use soothing lotion.
Eyes: Rinse carefully under upper and lower eyelids using plenty of water.
Inhalation: Remove to fresh air if dizzy or nauseated.
Ingestion: Do not induce vomiting. Accidental ingestion of a small mouthful is not expected to cause significant harm.

NOTE: In all severe cases, contact physician immediately. Local telephone operators can furnish number of regional poison control center.

5. FIRE HAZARD

Conditions of flammability: Aerosol: Spraying near an ignition source will ignite spray mist. Bulk: None unless heated over 200 °F (93 °C) near ignition source.
Flash point (Bulk): Min. 200 °F (93 °C) (Pensky-Martens closed cup)
Flammable limits in air: 1% to 6%
Extinguishing media: Carbon dioxide, foam
Special fire fighting procedures: Keep containers cool with water spray. Do not spray water directly on burning SKL-SP1. It may float and spread the fire.
Hazardous combustion products: Smoke, soot, oxides of carbon and nitrogen.
Unusual fire hazards: Aerosol cans may burst at temperatures over 130 °F (54 °C) and spray contents into a fire.

6. ACCIDENTAL RELEASE MEASURES
Mop up or sweep up with absorbent. (For disposal, see Section 13.)

7. HANDLING AND STORAGE
Store away from heat source. Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid breathing spray mist. Do not spray around arcs or flames.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Controls: None, unless sprayed. Use where ventilation will carry spray mist away from occupied areas.
Personal protection: Wear safety glasses to protect eyes. Wear nitrile rubber gloves if hand exposure is unavoidable. Respirator with filter if sprayed in enclosed unventilated space.
9. PHYSICAL PROPERTIES

**Initial boiling point (bulk)**: Min. 455°F (230°C) (ASTM D-86)

**Vapor pressure**: Aerosol: 60 psi @ 75°F (24°C) Bulk: <0.10 mm @ 70°F (21°C)

**Percent volatile**: None (30% in aerosol)

**Density/sp. gravity**: 0.89

**Water solubility**: 0

**pH**: Neutral

**Appearance**: Dark red oily liquid

**Odor**: Mild oily odor

10. STABILITY AND REACTIVITY

**Stability**: Stable

**Incompatibility**: None

**Hazardous decomposition products**: Soot, oxides of carbon and nitrogen when burning

**Reactivity**: None

11. TOXICOLOGICAL INFORMATION

**Carcinogenicity**: Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH.

**Threshold limited value**: 5 mg/m³ for oily mist.

**WHMIS information (Canada)**: No human information is available for teratogenicity, reproductive toxicity, and mutagenicity. No reports of toxicological synerism were located. The ingredients have not been found to show skin sensitization.

12. ECOLOGICAL INFORMATION

No data is available on SKL-SP1. It floats on water and can be skimmed off. Its low vapor pressure may exempt it from VOC restrictions. The hydrocarbon propellant is not an ozone depleter.

13. DISPOSAL

As a non-hazardous oil waste, incinerate or send to waste handler who can blend it into secondary fuels. Empty aerosol cans before disposal.

14. TRANSPORTATION

**U.S. DOT: 49 CFR 172.101 Hazardous Materials Table**

<table>
<thead>
<tr>
<th></th>
<th>1 gal, 5 gal</th>
<th>20 gal, 55 gal &amp; Totes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aerosol</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Proper shipping name</strong></td>
<td>None, not restricted</td>
<td>None, not restricted</td>
</tr>
<tr>
<td><strong>Consumer commodity</strong></td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>Hazard class or division</strong></td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>ORM-D</strong></td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>Identification No.</strong></td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>Packing Group</strong></td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>IATA: List of Dangerous Goods</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aerosol</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Proper shipping name</strong></td>
<td>None, not restricted</td>
<td>None, not restricted</td>
</tr>
<tr>
<td><strong>Aerosols, flammable</strong></td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>Hazard class or division</strong></td>
<td>2.1</td>
<td>None</td>
</tr>
<tr>
<td><strong>Identification No.</strong></td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>UN1950</strong></td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>Packing Group</strong></td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

| **IMDG: General Index**      |              |                        |
| **Aerosol**                  |              |                        |
| **Proper shipping name**     | None, not restricted | None, not restricted   |
| **AEROSOLS**                 | None         | None                   |
| **Hazard class or division** | 2.1          | None                   |
| **Identification No.**       | None         | None                   |
| **UN1950**                   | None         | None                   |
| **Packing Group**            | None         | None                   |
15. **REGULATORY INFORMATION**

   TSCA: All ingredients are listed in TSCA inventory
   CERCLA: Not reportable.
   SARA TITLE III, Section 313: No reportable ingredients.
   WHMIS Class (Canada):
      Bulk: D-2A
      Aerosol: A, B-5, D-2A

**Note:** This MSDS has been prepared to meet WHMIS (Canada) requirements with the exception of using 16 headings.

16. **OTHER INFORMATION**

**Revision Statement:** Sections: 1, 2
**Supersedes:** 8/15/03
**Prepared by:** Shawn Kilty, Research Chemist