

# MATERIAL SAFETY DATA SHEET

SPOTCHECK® PENETRANT SKL-WP1

**1. IDENTIFICATION**

*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, 55 gallon drums, aerosols.  
*NFPA Rating:* Health 1, Flammability 1, (Aerosol Flammability 4), Reactivity 0  
*PIN (Canada):* None  
*Revision Date:* November 8, 2007

**2. INGREDIENTS**

| <i>Ingredient</i>   | <i>Wt./Wt. %</i> | <i>CAS #</i> | <i>TLV</i> | <i>PEL</i> | <i>LD<sub>50</sub></i> | <i>LC<sub>50</sub></i> |
|---|------------------|--------------|------------|------------|------------------------|------------------------|
| Phthalate   | 25-75            | 392662-40-7  | not avail. | 5mg/m3 TWA | not avail.             | not avail.             |
| Paraffins (petroleum), normal C <sub>5</sub> – C <sub>20</sub>    | 25-75            | 64771-72-8   | Not avail. | Not avail. | Not avail.             | Not avail.             |
| Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl)ether | 1-25             | 166736-08-9  | not avail. | not avail. | >2000 mg/kg            | not avail.             |
| Isobutane (propellant – aerosol only)                             | 30               | 75-28-5      | Not avail. | 1000 ppm   | Not avail              | Not avail.             |

**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**

*Skin Contact:* Can irritate by removing natural skin oils on long or repeated exposures.  
*Eyes:* Irritating.  
*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:* 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-WP1. 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.

**MAGNAFLUX**

A Division of Illinois Tool Works Inc.  
3624 WEST LAKE AVENUE ■ GLENVIEW, ILLINOIS 60026  
TEL 847.657.5300 ■ FAX 847.657.5388  
www.magnaflux.com

9. **PHYSICAL PROPERTIES**
- |                                      |                              |                          |  |
|--------------------------------------|------------------------------|--------------------------|--|
| <i>Initial boiling point (bulk):</i> | Min. 455°F(235°C)(ASTM D-86) | <i>Vapor pressure:</i>   | Aerosol: 60psi @75°F (24°C)<br>Bulk: <0.10mm @ 70°F (21°C) |
| <i>Percent volatile:</i>             | None (30% in aerosol)        | <i>Vapor density:</i>    | Heavier than air   |
| <i>Density/sp. gravity:</i>          | 0.89                         | <i>Evaporation rate:</i> | Negligible   |
| <i>Water solubility:</i>             | 0 (emulsifies into water)    | <i>Appearance:</i>       | Dark red oily liquid                                       |
| <i>pH:</i>                           | Neutral                      | <i>Odor:</i>             | Mild oily odor   |
10. **STABILITY AND REACTIVITY**
- |  |  |
|--|--|
| <i>Stability:</i>                        | Stable   |
| <i>Incompatibility:</i>                  | None   |
| <i>Hazardous decomposition products:</i> | Soot, oxides of carbon and nitrogen when burning |
| <i>Reactivity:</i>                       | None   |
11. **TOXICOLOGICAL INFORMATION**
- |                                    |   |
|------------------------------------|---|
| <i>Carcinogenicity:</i>            | Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH.   |
| <i>Threshold limit value:</i>      | 5 mg/m <sup>3</sup> for oily mist   |
| <i>WHMIS information (Canada):</i> | According to available information, the ingredients have not been found to show reproductive toxicity, teratogenicity, mutagenicity, skin sensitization, or synergistic toxic effects with other materials. |
12. **ECOLOGICAL INFORMATION**
- No data is available on SKL-WP1. It emulsifies into water and is biodegradable. Its low bulk vapor pressure may exempt it from VOC restrictions. The hydrocarbon propellant is not an ozone depleter.
13. **DISPOSAL**
- As a non-hazardous oily waste, incinerate or send to waste handler who can blend it into secondary fuels. Empty aerosol cans before disposal.
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|-------------------------------|-----------------------|
| <i>RCRA:</i>                  | Not a hazardous waste |
| <i>U.S. EPA Waste Number:</i> | None                  |
14. **TRANSPORTATION**
- U.S. DOT: 49 CFR 172.101 Hazardous Materials Table**
- |                                  |                      |                    |
|----------------------------------|----------------------|--------------------|
|                                  | <u>Non-Aerosol</u>   | <u>Aerosol</u>     |
| <i>Proper shipping name:</i>     | None, not restricted | Consumer commodity |
| <i>Hazard class or division:</i> | None                 | ORM-D              |
| <i>Identification No.:</i>       | None                 | None               |
| <i>Packing Group:</i>            | None                 | None               |
- IATA: List of Dangerous Goods**
- |                                  |                      |                     |
|----------------------------------|----------------------|---------------------|
|                                  | <u>Non-Aerosol</u>   | <u>Aerosol</u>      |
| <i>Proper shipping name:</i>     | None, not restricted | Aerosols, flammable |
| <i>Hazard class or division:</i> | None                 | 2.1                 |
| <i>Identification No.:</i>       | None                 | UN1950              |
| <i>Packing Group:</i>            | None                 | -                   |
- IMDG: General Index**
- |                                  |                      |                |
|----------------------------------|----------------------|----------------|
|                                  | <u>Non-Aerosol</u>   | <u>Aerosol</u> |
| <i>Proper shipping name:</i>     | None, not restricted | AEROSOLS       |
| <i>Hazard class or division:</i> | None                 | 2.1            |
| <i>Identification No.:</i>       | None                 | UN1950         |
| <i>Packing Group:</i>            | None                 | -              |
15. **REGULATORY INFORMATION**
- |                                     |  |
|-------------------------------------|--|
| <i>TSCA:</i>                        | All ingredients are listed in TSCA inventory.  |
| <i>CERCLA:</i>                      | Not reportable   |
| <i>SARA TITLE III, Section 313:</i> | No reportable ingredients  |
| <i>California Proposition 65:</i>   | This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm. |
| <i>WHMIS Class (Canada):</i>        | Non-Aerosol: D-2B Aerosol: A, B-5, D-2B  |
- Note:** This MSDS has been prepared to meet WHMIS (Canada) requirements with the exception of using 16 headings.
16. **OTHER INFORMATION**
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|----------------------------|---------------------------------|
| <i>Revision Statement:</i> | Section 2                       |
| <i>Supersedes:</i>         | January 9, 2007                 |
| <i>Prepared by:</i>        | Tamie Simmons, Research Manager |