

**MATERIAL SAFETY DATA SHEET**

SPOTCHECK® PENETRANT SKL-SP1

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, 2009

**2. HAZARDOUS INGREDIENTS**

<u>Ingredient</u>	<u>Wt./Wt.%</u>	<u>CAS #</u>	<u>TLV</u>	<u>PEL</u>	<u>LD<sub>50</sub></u>	<u>LC<sub>50</sub></u>
White mineral oil (petroleum)	60-80	8042-47-5 or 64742-47-8	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	not avail.	not avail.
Phthalic Esters	5-25	71888-89-5	5mg/m <sup>3</sup>	not avail.	not avail.	not avail.
Liquefied petroleum gasses (propellant, aerosol only)*	30	68476-86-8	not avail.	1000 ppm	not avail.	not avail.

\*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.

**MAGNAFLUX**

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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) *Vapor density:* Heavier than air  
*Density/sp. gravity:* 0.89 *Evaporation rate:* Negligible  
*Water solubility:* 0 *Appearance:* Dark red oily liquid  
*pH:* Neutral *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/m<sup>3</sup> 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**

	<u>1 gal, 5 gal</u>	<u>20 gal, 55 gal. &amp; Totes</u>
<u>Aerosol</u>		
<i>Proper shipping name:</i>	None, not restricted	None, not restricted
<i>Consumer commodity</i>		
<i>Hazard class or division:</i>	None	None
ORM-D		
<i>Identification No.:</i>	None	None
None		
<i>Packing Group:</i>	None	None
None		

**IATA: List of Dangerous Goods**

	<u>1 gal, 5 gal</u>	<u>Bulk</u>
<u>Aerosol</u>		
<i>Proper shipping name:</i>	None, not restricted	None, not restricted
Aerosols, flammable		
<i>Hazard class or division:</i>	None	None
2.1		
<i>Identification No.:</i>	None	None
UN1950		
<i>Packing Group:</i>	None	None
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**IMDG: General Index**

	<u>1 gal, 5 gal</u>	<u>Bulk</u>
<u>Aerosol</u>		
<i>Proper shipping name:</i>	None, not restricted	None, not restricted
AEROSOLS		
<i>Hazard class or division:</i>	None	None
2.1		
<i>Identification No.:</i>	None	None
UN1950		
<i>Packing Group:</i>	None	None
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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

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