

## MATERIAL SAFETY DATA SHEET

SPOTCHECK® PENETRANT SKL-SP2

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:** August 2, 2010

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.
Diisononyl Phthalate	5-25	68515-48-0	Not avail.	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:** If swallowed, may be aspirated and cause lung damage  
**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. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

**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-SP2. 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.  
 Storage Level 3 Aerosols per NFPA 30B

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

<b>Initial boiling point (bulk)</b>	Min. 455 °F (230 °C) (ASTM D-86)	<b>Vapor pressure:</b>	Aerosol: 60 psi @ 75 °F (24 °C) Bulk: <0.10 mm @ 70 °F (21 °C)
<b>Percent volatile:</b>	None (30% in aerosol)	<b>Vapor density:</b>	Heavier than air
<b>Density/sp. gravity:</b>	0.89	<b>Evaporation rate:</b>	Negligible
<b>Water solubility:</b>	0	<b>Appearance:</b>	Dark red oily liquid
<b>pH:</b>	Neutral	<b>Odor:</b>	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 synergism were located. The ingredients have not been found to show skin sensitization.

## 12. ECOLOGICAL INFORMATION

No data is available on SKL-SP2. 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

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

## 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>
<b>Proper shipping name:</b>	None, not restricted	None, not restricted	Consumer commodity
<b>Hazard class or division:</b>	None	None	ORM-D
<b>Identification No.:</b>	None	None	None
<b>Packing Group:</b>	None	None	None

### **IATA: List of Dangerous Goods**

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

### **IMDG: General Index**

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

## 15. REGULATORY INFORMATION

**TSCA:** All ingredients are listed in TSCA inventory  
**CERCLA:**  
**SARA TITLE III, Section 313:**  
**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

# SPOTCHECK®

*Revision Statement:* Section 3,4,13  
*Supersedes:* August 15, 2003  
*Prepared by:* Tamie Simmons, Research Manager