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**

Ingredient	*Wt./Wt.%*	*CAS #*	*TLV*	*PEL*	*LD_{50}*	*LC_{50}*
White mineral oil (petroleum)	60-80	8042-47-5 or 64742-47-8	5 mg/m^3	5 mg/m^3	not avail.	not avail.
Diisononyl Phthalate	5-25	68515-48-0	Not aval.	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**

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^{¼} 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

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

IATA: List of Dangerous Goods	1 gal, 5 gal	Bulk	Aerosol
Proper shipping name:	None, not restricted	None, not restricted	Aerosols, flammable
Hazard class or division:	None	None	2.1
Identification No.:	None	None	UN1950
Packing Group:	None	None	¥

IMDG: General Index	1 gal, 5 gal	Bulk	Aerosol
Proper shipping name:	None, not restricted	None, not restricted	AEROSOLS
Hazard class or division:	None	None	2.1
Identification No.:	None	None	UN1950
Packing Group:	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**

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Supersedes: August 15, 2003
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