

MATERIAL SAFETY DATA SHEET

SPOTCHECK® PENETRANT SKL-SP

1. IDENTIFICATION

Company: MAGNAFLUX®
Address: 7301 West Ainslie Avenue, Harwood Hts., Illinois 60656
Telephone No.: (708) 867-8000 (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: December 1, 1994

2. HAZARDOUS INGREDIENTS

<u>Ingrdient</u>	<u>Wt./Wt. %</u>	<u>CAS #</u>	<u>TLV</u>	<u>PEL</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
White mineral oil (petroleum)	40-70	8042-47-5	5 mg/m ³	5 mg/m ³	not avail.	not avail.
1,2-benzenedicarboxylic acid, dibutyl ester	10-30	84-74-2	not avail.	not avail.	8g/kg (oral/rat)	not avail.
Isobutane (propellant)	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: 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: 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-SP. 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.

9. **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.

10. **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) 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**

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 limit value: 5 mg/m³ for oily mist
WHMIS information (Canada): 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-SP. 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 oily waste, incinerate or send to waste handler who can blend it into secondary fuels. Empty aerosol cans before disposal.
RCRA: Not a hazardous waste
U.S. EPA Waste Number: None

14. **TRANSPORTATION**

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

	<u>Bulk</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

15. **REGULATORY INFORMATION**

TSCA: All ingredients are listed in TSCA inventory.
CERCLA: Not reportable
SARA TITLE III, Section 313: No reportable ingredients
California Proposition 65: Contains nothing on this list
WHMIS Class (Canada): Bulk: Not a controlled product Aerosol: A, B-5
Note: This MSDS has been prepared to meet WHMIS (Canada) requirements with the exception of using 16 headings.

16. **OTHER INFORMATION**

Revision Statement: Section 1.
Supersedes: MSDS dated 8/23/93
Signed by: Cheri A. Zeleznik
Cheri A. Zeleznik, Project Manager