

## MATERIAL SAFETY DATA SHEET

SPOTCHECK® DEVELOPER SKD-S2

### 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:** Penetrant inspection developer  
**Packages:** 1 gallon can, 5 gallon pail, 55 gallon drum, aerosol  
**NFPA Rating:** Health 1, Flammability 3, (aerosol 4), Reactivity 0  
**PIN (Canada):** UN 1993  
**Revision Date:** January 28, 1994

### 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>
2-propanol	40-70	67-63-0	400 ppm	400 ppm.	3.6 g/kg (oral/mouse)	not avail.
2-propanone	10-30	67-64-1	750 ppm	750 ppm.	6 g/kg (oral/rat)	not avail.
Isobutane (propellant)	30	75-28-5	not avail.	1000 ppm	not avail.	not avail.

### HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**  
 Extremely flammable white liquid and aerosol. Fast evaporating vapors can reach hazardous levels quickly in unventilated spaces.

### POTENTIAL HEALTH EFFECTS

**Skin Contact:** Can irritate by removing natural skin oils on long or repeated exposures.  
**Eyes:** Irritating, but does not damage eye tissue.  
**Inhalation:** Causes dizziness and nausea.  
**Ingestion:** Not significant in small (mouthful) amounts.  
**Medical conditions known to be aggravated by exposure to product:** None

### 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 single 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.

### FIRE HAZARD

**Conditions of flammability:** Bulk and aerosol: Ignition will occur if used near flames, arcs or other ignition sources.  
**Flash point:** 2°F (-16°C) (Pensky-Martens closed cup).  
**Flammable limits in air:** 2% to 15%.  
**Extinguishing media:** Carbon dioxide, foam, water.  
**Special fire fighting procedures:** Keep containers cool with water spray.  
**Hazardous combustion products:** Soot, oxides of carbon.  
**Unusual fire hazards:** Aerosol cans may burst over 130°F (54°C) and add to existing fire.

### ACCIDENTAL RELEASE MEASURES

Turn off or remove sources of ignition. Mop up or sweep up with absorbent. (For disposal, see Section 13.)

### HANDLING AND STORAGE

Avoid breathing vapors.  
 Avoid eye contact.  
 Avoid repeated or prolonged skin contact.  
 Store away from heat source.  
 Do not spray around arcs or flame.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**  
*Controls:* Use where ventilation will carry vapors 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):* 132° F (55°C) (ASTM D-86)      *Vapor pressure:* Bulk: 150mm @ 100°F (38°C),  
*Percent volatile:* 90%      Aerosol: 65 psi @ 75°F (24°C)  
*Density/sp. gravity:* 0.87      *Vapor density:* 3  
*Water solubility:* 90      *Evaporation rate:* 0.4 of ether  
*pH:* Neutral      *Appearance:* White liquid  
*Odor:* Alcohol odor
10. **STABILITY AND REACTIVITY**  
*Stability:* Stable  
*Incompatibility:* None  
*Hazardous decomposition products:* When burning, soot, oxides of carbon  
*Reactivity:* None
11. **TOXICOLOGICAL INFORMATION**  
*Carcinogenicity:* Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH.  
*Threshold limit value (Bulk):* 400 ppm  
*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 SKD-S2.
13. **DISPOSAL**  
Send to a licensed waste facility for proper disposal.  
*RCRA:* Hazardous waste.  
*U.S. EPA Waste Number:* F003 and D001.
14. **TRANSPORTATION**  
U.S. DOT: 49 CFR 172.101 Hazardous Materials Table
- |                                  |  |                    |
|----------------------------------|--|--------------------|
|                                  | <u>Bulk</u>  | <u>Aerosol</u>     |
| <i>Proper shipping name:</i>     | Flammable Liquid, n.o.s.<br>(Isopropanol, acetone) | Consumer commodity |
| <i>Hazard class or division:</i> | 3  | ORM-D              |
| <i>Identification No.:</i>       | UN1993   | None               |
| <i>Packing Group:</i>            | II   | None               |
15. **REGULATORY INFORMATION**  
*TSCA:* All ingredients are listed in TSCA inventory.  
*CERCLA:* Reportable quantity (RQ) for Acetone = 5000 lbs.  
*SARA TITLE III, Section 313:* Acetone.  
*California Proposition 65:* Contains nothing on this list  
*WHMIS Class (Canada):* Bulk: B-2, 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**  
*Revision Statement:* Section 14.  
*Supersedes:* MSDS dated 11/18/93.  
*Signed by:* Cheri A. Zeleznik  
Cheri A. Zeleznik, Project Manager