

## MATERIAL SAFETY DATA SHEET

SPOTCHECK® DEVELOPER SKD-S2

### 1. IDENTIFICATION

**Company:** MAGNAFLUX  
**Address:** 3624 West Lake Avenue, Glenview, Illinois 60025  
**Telephone No.:** 847-657-5300 (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:** April 16, 2010

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Wt./Wt. %	CAS#	TLV	PEL	LD <sub>50</sub>	LC <sub>50</sub>
2-propanol	40 – 70	67-63-0	400 ppm	400 ppm	3.6 g/kg(oral/mouse)	Not available
2-propanone	10 – 30	67-64-1	750 ppm	750 ppm	6 g/kg (oral/rat)	Not available
Isobutane (propellant – aerosol only)	30	75-28-5	Not available	1000 ppm	Not available	Not available
Talc	1 - 3	14807-96-6	Not available	2 mg/me	Not available	Not available

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

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

#### POTENTIAL HEALTH EFFECTS & SIGNS AND SYMPTOMS OF EXPOSURE:

**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

### 4. FIRST AID

**Skin Contact:** Remove contaminated clothing. Wash exposed areas 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.

### 5. FIRE HAZARD

**Conditions of flammability:** Non-aerosol 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.

### 6. ACCIDENTAL RELEASE MEASURES

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

### 7. 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.  
 Storage Level 2 Aerosols per NFPA 30B

### 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**

<i>Initial boiling point (bulk):</i>	132° F (55°C) (ASTM D-86)	<i>Vapor pressure:</i>	Bulk: 150mm @ 100°F (38°C). Aerosol: 65 psi @ 75°F (24°C)
<i>Percent volatile:</i>	90%	<i>Vapor density:</i>	3
<i>Density/sp. gravity:</i>	0.87	<i>Evaporation rate:</i>	0.4 of ether
<i>Water solubility:</i>	90	<i>Appearance:</i>	White liquid
<i>pH:</i>	Neutral	<i>Odor:</i>	Alcohol odor

10. **STABILITY AND REACTIVITY**

<i>Stability:</i>	Stable
<i>Incompatibility:</i>	None
<i>Hazardous decomposition products:</i>	When burning, soot, oxides of carbon
<i>Reactivity:</i>	None

11. **TOXICOLOGICAL INFORMATION**

<i>Carcinogenicity:</i>	Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH.
<i>Threshold limit value (Bulk):</i>	400 ppm
<i>WHMIS information (Canada):</i>	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:* D001

14. **TRANSPORTATION (These are guidelines, in all cases refer to 49 CFR for proper classification)**

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

<i>Proper shipping name:</i>	<u>Non-Aerosol</u> Flammable Liquid, n.o.s. (Isopropanol, acetone)	<u>Aerosol</u> Consumer commodity
<i>Hazard class or division:</i>	3	ORM-D
<i>Identification No.:</i>	UN1993	None
<i>Packing Group:</i>	II	None

**IATA: List of Dangerous Goods**

<i>Proper shipping name:</i>	<u>Non-aerosol</u> Flammable liquid, n.o.s. (Isopropanol, Acetone)	<u>Aerosol</u> Aerosols, flammable
<i>Hazard class or division:</i>	3	2.1
<i>Identification No.:</i>	UN1993	UN1950
<i>Packing Group:</i>	II	-

**IMDG: General Index**

<i>Proper shipping name:</i>	<u>Non-aerosol</u> FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL, ACETONE)	<u>Aerosol</u> AEROSOLS
<i>Hazard class or division:</i>	3.2	2.1
<i>Identification No.:</i>	UN1993	UN1950
<i>Packing Group:</i>	II	-

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:* This product contains trace amount of chemicals known to the State of California to cause cancer and to cause birth defects or other reproductive harm.  
*WHMIS Class (Canada):* Non-Aerosol: 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 7  
*Supersedes:* December 2, 2008  
*Prepared by:* Tamie Simmons, R&D Manager