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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Wt./Wt. %</th>
<th>CAS#</th>
<th>TLV</th>
<th>PEL</th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-propanol</td>
<td>40 - 70</td>
<td>67-63-0</td>
<td>400 ppm</td>
<td>400 ppm</td>
<td>3.6 g/kg (oral/mouse)</td>
<td>Not available</td>
</tr>
<tr>
<td>2-propanone</td>
<td>10 - 30</td>
<td>67-64-1</td>
<td>750 ppm</td>
<td>750 ppm</td>
<td>6 g/kg (oral/rat)</td>
<td>Not available</td>
</tr>
<tr>
<td>Isobutane (propellant – aerosol only)</td>
<td>30</td>
<td>75-28-5</td>
<td>Not available</td>
<td>1000 ppm</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Talc</td>
<td>1 - 3</td>
<td>14807-96-6</td>
<td>Not available</td>
<td>2 mg/l</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

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
Initial boiling point (bulk): 132° F (55°C) (ASTM D-86)
Percent volatile: 90%
Density/Sp. gravity: 0.87
Water solubility: 90
pH: Neutral

Vapor pressure: Bulk: 150mm @ 100°F (38°C)
Aerosol: 65 psi @ 75°F (24°C)
Vapor density: 3
Evaporation rate: 0.4 of ether
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
WHIMIS 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: D001

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

<table>
<thead>
<tr>
<th>Proper shipping name:</th>
<th>Aerosol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Aerosol</td>
<td>Flammable Liquid, n.o.s. (Isopropanol, acetone)</td>
</tr>
<tr>
<td>Hazard class or division:</td>
<td>3</td>
</tr>
<tr>
<td>Identification No.:</td>
<td>UN1993</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>II</td>
</tr>
<tr>
<td>IATA: List of Dangerous Goods</td>
<td>Non-aerosol</td>
</tr>
<tr>
<td>Proper shipping name:</td>
<td>Aerosol</td>
</tr>
<tr>
<td>Hazard class or division:</td>
<td>3</td>
</tr>
<tr>
<td>Identification No.:</td>
<td>UN1993</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>II</td>
</tr>
<tr>
<td>IMDG: General Index</td>
<td>Non-aerosol</td>
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<tr>
<td>Proper shipping name:</td>
<td>Aerosol</td>
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<tr>
<td>Hazard class or division:</td>
<td>3.2</td>
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<tr>
<td>Identification No.:</td>
<td>UN1993</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>II</td>
</tr>
</tbody>
</table>

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.
WHIMIS Class (Canada): Non-Aerosol: B-2, D-2B - Aerosol: A, B-5, D-2B
Note: This MSDS has been prepared to meet WHIMIS (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