

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION

*Distributed By:* The Easthill Group dba/ The Eastwood Company  
*Address:* 263 Shoemaker Road, Pottstown, PA 19464  
*Telephone No.:* USA & Canada: 800-345-1178; Outside USA: 610-323-2200; Emergency: Chem-Trec 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:* September 5, 2007

## 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.

## 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.	
<i>RCRA:</i>	Hazardous waste.
<i>U.S. EPA Waste Number:</i>	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**

	<u>Non-Aerosol</u>	<u>Aerosol</u>
<i>Proper shipping name:</i>	Flammable Liquid, n.o.s. (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

**IATA: List of Dangerous Goods**

	<u>Non-aerosol</u>	<u>Aerosol</u>
<i>Proper shipping name:</i>	Flammable liquid, n.o.s. (Isopropanol, Acetone)	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**

	<u>Non-aerosol</u>	<u>Aerosol</u>
<i>Proper shipping name:</i>	FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL, ACETONE)	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**

<i>TSCA:</i>	All ingredients are listed in TSCA inventory.
<i>CERCLA:</i>	Reportable quantity (RQ) for Acetone = 5000 lbs.
<i>SARA TITLE III, Section 313:</i>	Acetone.
<i>California Proposition 65:</i>	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.
<i>WHMIS Class (Canada):</i>	Non-Aerosol: B-2, D-2B - Aerosol: A, B-5, D-2B
<b>Note:</b>	This MSDS has been prepared to meet WHMIS (Canada) requirements with the exception of using 16 headings.

**16. OTHER INFORMATION**

<i>Revision Statement:</i>	Review
<i>Supersedes:</i>	October 26, 2004
<i>Prepared by:</i>	Tamie Simmons, R&D Manager