

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT INFORMATION

Supplier Name

The Mill-Rose Company
7310 Corporate Blvd.
Mentor, OH 44060
(800) 321-3598

Emergency Telephone No.

(800) 321-3598

Date Prepared: June 2007

Replaces: May 2003

Product

Lithium Chloride & Igepal (meets ASTM B813)

Trade Names and Synonyms

Clean-Fit Water Soluble Soldering Paste

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS#	% (weight)	OSHA PEL	ACGIH TLV
Lithium Chloride	7447-41-8	1-5	5 mg/m3 resp. fraction 15 mg/m3 total dust	10 mg/3 inh. particul. 3 mg/m3 resp. particul
Igepal	9016-45-9	3-7	N/A	N/A

SECTION 3 - HAZARDOUS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Target Organs: Skin, eyes. Lithium Chloride causes adverse effects on the central nervous system.

Signs and Symptoms of short-term (acute) exposure:

Inhalation: May be harmful if inhaled

Skin Contact: May cause skin irritation

Eye Contact: Causes eye irritation

Ingestion: Harmful if swallowed

Effects of long-term (chronic) exposure: Contains Lithium Chloride (<5%) which has been reported to cause reproductive effects

Other important hazards: None reported

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove exposed person to fresh air. Administer oxygen or artificial respiration if necessary

Skin Contact: Wash affected area with soap and water. Remove contaminated clothing and launder before reused. Consult physician if irritation develops.

Eye Contact: Immediately flush eyes with running water for at least 15 minutes. Obtain medical attention.

Ingestion: If swallowed, immediately call physician or poison control center

SECTION 5 - FIRE FIGHTING MEASURES

Fire Hazards/Conditions of Flammability: Not considered flammable (by WHMIS/OSHA criteria) but since material contains flammable ingredients, it may burn when heated to high temperatures.

Flash Point (method): N/A

Lower Flammable Limit (% by volume): N/A

Oxidizing Properties: No data

Upper Flammable Limit (% by volume): N/A

Auto-ignition Temperature: N/A

Special Fire Fighting Procedures/Equipment: None

Hazardous Combustion Products: None **Explosion Data:** Sensitivity to mechanical impact: None
 Sensitivity to static discharge: None
Suitable Extinguishing Media: This product is not flammable, use fire extinguishing material appropriate for surrounding fires.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin, eyes and clothing. Wash hands after handling
Environmental Precautions: Prevent discharge to the environment
Spill Response/Cleanup: Scoop up and place in a sealed container for disposal
Prohibited Materials - No data

SECTION 7 - HANDLING AND STORAGE

Safe Handling Procedures: Use with adequate ventilation. Avoid overheating or freezing. Always keep in a labeled container.
Storage Requirements: Store in a cool, dry, well ventilated area
Incompatible Materials: No data
Special Packaging Requirements: No data

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and Engineering Controls: Use with adequate ventilation. Mechanical exhaust may be needed.
Respiratory Protection: Normally not required
Protective Gloves: As per workplace standards
Eye Protection: Safety Glasses
Other Protective Equipment: As per workplace standards
Permissible Exposure Levels: Refer to Section 2 for information about the PEL for ingredients

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical form, color and odor: Off white paste with light vegetable oil smell
Odor Threshold: N/A **pH:** N/A
Boiling Point: N/A **Melting/Freezing Point:** N/A
Solubility in Water: Soluble **Coefficient of Oil/Water Distribution:** N/A
Vapor Density: N/A **Specific Gravity or Relative Density (Water=1):** >1
Evaporation Rate: N/A **Volatile Organic Compounds (VOC's):** N/A
Vapor Pressure: N/A for product; Igepal = 23.6mmHg @ 20°C (due to water)

SECTION 10 - REACTIVITY AND STABILITY DATA

Stability and Reactivity: Stable. Hazardous polymerization will not occur
Conditions to avoid: None reported
Material to Avoid: Strong acids and strong oxidizers
Hazardous Decomposition Products: Small amounts of Hydrogen Chloride and Lithium compounds, also oxides of carbon.

SECTION 11 - TOXICOLOGICAL INFORMATION

LD₅₀: Not determined for the product. **Ingredients:** Lithium Chloride 526 mg/kg (oral, rat); Igepal CO-887 3820 mg/kg (oral, rat).

LC₅₀: Not determined for the product. Ingredients not available
Routes of Exposure: Inhalation, ingestion, skin and eye contact
Toxicological Data: No data **Synergistic Materials:** None known
Sensitization to material: No data **Conditions Aggravated by Exposure:** Dermatitis
Teratogenicity, Mutagenicity, Other Reproductive Effects: No data
Carcinogenicity: None of the ingredients of this product is listed by ACGIII, IARC, NTP or OSHA as carcinogenic.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental Effects: No data
Important Environmental Characteristics: No data
Aquatic Toxicity: No data

SECTION 13 - WASTE DISPOSAL

Handling for Disposal: Scoop up and place in a labelled container for disposal
Methods of Disposal: Follow all local, provincial, state and federal regulations

SECTION 14 - TRANSPORTATION INFORMATION

Transportation of Dangerous Goods (TDG) Information: Shipping description: Not regulated
49CFR Information: Shipping description: Not regulated
International Dangerous Goods Information: IMO: Not regulated, ICAO: Not regulated
Other Information: None

SECTION 15 - REGULATORY INFORMATION

WHMIS Information: D2B
 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR
CEPA Information: No data
TSCA Information: No data

NOTICE FROM THE MILL-ROSE COMPANY

The information in this Material Safety Data Sheet (MSDS) relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. We believe that the information contained herein is current as of the date of the MSDS. Since use of this information and these opinions and the conditions of use of the product are not within the control of The Mill-Rose Company, it is the user's obligation to determine the conditions of safe use of the product.