

# RMI RATERMANN

## MANUFACTURING, INC.

**Material Safety & Data Sheet (MSDS)**  
**SURE CHEK® All Temperature Leak Detector**  
**Product Number: LC-FS, LC-FG**

### Identification

Commercial Name *SURE CHEK®*  
 Supplier Ratermann Manufacturing, Inc.  
 6764 Preston Avenue, Unit C  
 Livermore, CA 94551

### Chemical Composition

Ingredient	CAS No.	Percentage
Propylene Glycol	57-55-6	25 - 50%
Oral LD50 (rat): >5g/kg		
Dermal LD50 (rabbit): >5g/kg		
Skin irritation (rabbit): practically non-irritating (72hr. mean irritation score = 0 to 2)		
Eye irritation (rabbit): inconsequentially irritating		

### Physical Properties

Appearance: Fluorescent green transparent liquid  
 Odor: None  
 Odor Threshold (ppm): Not determined  
 Specific Gravity (H<sub>2</sub>O = 1): Sure Chek 1.08 (8.96 lbs./gal.)  
 Solubility in Water: Soluble  
 Coefficient of Water/Oil Solubility: >>1  
 PH: 7  
 Melting Point: -55°F/-48°C  
 Boiling Point: Approximately 220°F/105°C  
 Vapor Pressure (mm Hg at 20°C): Nil  
 Vapor Density (Air = 1): <1  
 Evaporation Rate (n-BuAc = 1): <1  
 V.O.C: 40% (w/w), 40% (v/v), 3.3 lbs./gal. (U.S.), 0.4 kg/l

### Hazards Identification

KEEP OUT OF REACH OF CHILDREN.  
 Risk phrases (Canada): none  
 Precautionary Statements (Canada): Keep out of reach of children.

### Potential Health Effects

#### Primary Effects

Eyes: May cause irritation  
 Skin: None

Ingestion: Single dose oral toxicity is low. Small amounts not expected to cause toxic effects. Very large amounts may show toxic effects.

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Inhalation: Vapor or mist may cause headache, nausea or irritation.

#### *Chronic Effects*

Eyes: None known

Skin: Prolonged or repeated contact may cause irritation

Ingestion: None known

Inhalation: None known

Carcinogenicity: Not applicable

Target Organ Effects: Not applicable

Medical Conditions Aggravated by Long-Term Exposure: Not determined

Other Information: Not applicable

HMIS Rating (U.S.): Health 1, Flammability 1, Reactivity 0

WHMIS Rating (Canada): None

HAZCHEM Code (Australia): None

Poisons Schedule Number (Australia): Not determined

#### **First Aid**

Eye Contact: Flush eyes with water for at least 15 minutes. See a physician if irritation persists.

Skin Contact: Wash affected areas with soap and water. Remove saturated clothing and wash before reuse.

Ingestion: Drink large amounts of water. Induce vomiting. Call a physician.

Inhalation: Move subject to fresh air. See a physician if irritation persists.

Other information: None

#### **Fire Fighting Measures**

Flash Point (method): >225°F/107°C (cc)

Autoignition Temperature: Not determined

LEL: Not determined. UEL: Not determined

Flammability Classifications: None

Extinguishing Media: Dry chemical, water fog, alcohol foam

Hazardous Combustion Products: Carbon monoxide, carbon dioxide

Unusual Fire or Explosion Hazards: None known

Fire-Fighting Instructions/Equipment: Keep personnel removed and upwind of any fire. Wear full fire-fighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

NFPA Rating: Health 1, Flammability 1, Reactivity 0

#### **Accidental Release Measures**

Use recommended personal protective equipment (see Exposure Controls/Personal Protection).

Spill area may be slippery

Small Spill: Wipe or mop up. Flush remainder with water.

Large Spill: Soak up with absorbent material such as sawdust or clay.

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### **Handling and Storage**

**Handling Precautions:** Use recommended personal protective equipment (see Exposure Controls/Personal Protection). Wash thoroughly after handling.

**Storage Requirements:** Store in a cool, dry area.

### **Exposure Controls/Personal Protection**

**Eye/Face Protection:** Safety glasses or goggles

**Skin Protection:** Not normally needed

**Respiratory Protection:** NIOSH Approved dust/mist respirator in confined areas.

**Other Personal Protective Equipment:** Eye wash and safety shower

**Engineering Controls:** Normal room ventilation. Local exhaust in confined areas.

**Administrative Controls:** User of this product must be properly trained and qualified in its use.

**Other Information:** None

### **Stability and Reactivity**

**Chemical Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** None known

**Chemicals to Avoid:** None known

**Hazardous Decomposition Products (non-thermal):** None known

### **Toxicological Information**

**Sensitization to Product:** Not applicable

**Irritancy of Product:** Not applicable

**Reproductive Toxicity:** Not applicable

**Teratogenicity:** Not applicable

**Mutagenicity:** Not applicable

Toxicological information regarding individual ingredients, if applicable, may be found in Composition/Information on Ingredients.

### **Ecological Information**

Not determined

### **Disposal Considerations**

Dispose of in accordance with applicable federal, state, and local regulations.

### **Transport Information**

*U.S. D.O.T.*

**Proper Shipping Name:** None

**Hazard Class or Division:** None

**I.D. Number:** None

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*Australian Code for the Transport of Dangerous Goods*  
Dangerous Goods Class and Subsidiary Risk: Not determined

<b>Other Information</b>
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MSDS Prepared By: Director of Chemical Safety  
Date Prepared: March 24, 2001

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