

RMI RATERMANN

M A N U F A C T U R I N G , I N C .

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

<u>Ingredient</u>	<u>CAS No.</u>	<u>Percentage</u>
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 (H2O = 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.

RMI RATERMANN

M A N U F A C T U R I N G , I N C .

(Continued from page 1)

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 (coc)

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.

RMI RATERMANN

M A N U F A C T U R I N G , I N C .

(Continued from page 2)

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

RMI RATERMANN

M A N U F A C T U R I N G , I N C .

(Continued from page 3)

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

Other Information

MSDS Prepared By: Director of Chemical Safety
Date Prepared: March 24, 2001

The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, Ratermann Manufacturing, Inc. makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will Ratermann Manufacturing, Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.