

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Date Prepared: 04-19-13

Product Identifier: **Super Blu Leak Detector Solution**

Manufacturers Part # RT150S or G

General Use: Low freezing point Bubble Leak Detector Solution

Chemical Family: Water, Propylene Glycol mixture

Manufacturer Refrigeration Technologies (www.refrigtech.com)

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Anaheim, CA 92806

Ph: (800) 869-1407, 714-238-9207 Fax: 714-238-9234

24 HR Emergency Phones: Chem-Tel, Inc. (800) 255-3924; International: (813) 248-0585

SECTION 2 - HAZARDOUS INGREDIENTS

| Hazardous Components | CAS# | WEIGHT % | TWA | PEL | STEL | EINECS# |
|----------------------|------|----------|-----|-----|------|---------|
|----------------------|------|----------|-----|-----|------|---------|

This product does not contain any reportable hazardous components per OSHA standards

| | | | | | | |
|--------------------|---------|-----|---------|----|----|-----------|
| * Propylene Glycol | 57-55-6 | 50% | 10mg/m3 | NE | NE | 200-338-0 |
|--------------------|---------|-----|---------|----|----|-----------|

* Ingredient Disclosure as per Canada OSH, Ingredient Disclosure List and other International Standards

SECTION 3 - HAZARDOUS IDENTIFICATION

HMIS: H=0, F=0, R=0, S=0

Emergency Overview: Possible Eye Irritation. Possible Skin Irritation

Potential Health Effects:

EYES: Irritation or Burning Sensation

SKIN: Irritation possible with sensitive persons

INGESTION: Irritation to nausea. Hazardous only if ingested in large quantities.

INHALATION: Not expected to be a hazard unless heated to evaporation

Carcinogenic: No NTP? No IARC Monographs? No OSHA Regulated? No

SECTION 4 - FIRST AID MEASURES:

EYES: Flush with water for 15 minutes. If irritation persists, call physician

SKIN: Wash off with soap and water.

INGESTION: Drink large amounts of water. Call physician

INHALATION: Get person to fresh air. Call physician

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

NFPA Hazard Rating: H=0, F=0, R=0, S=0

Flash Point: None Flammable Limits: Not Tested LEL: Not Tested UEL: Not Tested

Extinguishing Media: Water, CO2 or Dry Foam Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None Hazardous Combustion Products: Hydrocarbons, CO, CO2

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: Soak up with inert, absorbent material. Scoop up and place in a proper waste disposal container. Dispose of in accordance with federal, state and local regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions to be taken in handling and storing: Store in a cool, dry place, out of direct sunlight. Do not freeze or heat above 120 F. Keep container closed.

Other precautions: KEEP OUT OF REACH OF CHILDREN

SECTION 8 - EXPOSURE/CONTROL MEASURES

| Hazardous Component | NIOSH TWA/STEL | ACGIH TWA/STEL |
|---------------------|----------------|----------------|
| None | NA/NA | NA/NA |

Respiratory Protection: Open all doors and windows. If there is an exposure and it is above the TLV or PEL, a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134 is required

Ventilation: Local Exhaust: If available Special: None

Mechanical: If available Other: None

Protective Gloves: Plastic or Rubber, Chemical Resistant

Eye Protection: Glasses, Goggles

Other Protective Clothing or Equipment: None

Work Hygienic Practices: Use common sense and care around chemicals. Never mix chemicals. Consult your supervisor for other practices. All practices depend on your specific business. Directions for use are normally found on label that will dictate engineering and control measures.

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

| | |
|-------------------------------|----------------------------------|
| Boiling Point >250F/125C | Specific Gravity: 1.05 |
| Vapor Pressure: Not Tested | pH: 7-8 |
| Vapor Density: Not Tested | Evaporation Rate: Not Tested |
| Solubility in Water: Complete | Appearance and Odor: Blue, Bland |
| Viscosity: Not tested | Freeze Point: -33F/-36C |

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: None
Incompatible Materials to Avoid: None
Hazardous Decomposition or Byproducts: CO, CO2
Hazardous Polymerization: Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

| Hazardous Components | CAS# | EINECS# | LC50 Inhaled | LD50 oral | LD50 dermal |
|----------------------|---------|-----------|--------------|-----------|--------------|
| *Propylene Glycol | 57-55-6 | 200-338-0 | NE | 5g/kg Rat | 2g/kg rabbit |

* Consider moderately toxic if ingested in large quantities.

Possible effects of exposure are:

EYES: May cause mild to severe eye irritation
SKIN: Slight irritant to skin in sensitive individuals
SKIN ABSORPTION: None to Slight
INHALATION: If heated excessive inhalation of vapors can cause nasal and respiratory irritation.
INGESTION: May cause gastrointestinal distress/irritation.
CHRONIC EFFECTS: None known to occur.

SECTION 12 - ECOLOGICAL INFORMATION

Product is composed of readily biodegradable ingredients. None of the components are known to have significant aquatic toxicity or negative environmental impact. Prevent chemicals from entering watercourses, sewer or drain without proper authorization

SECTION 13 - DISPOSAL CONSIDERATIONS

Always follow Federal, State and Local codes before disposal of any chemicals. Consult with an expert in your area on proper disposal methods. Chemicals should never be allowed to enter sewers, watercourses or low areas without proper authorization. Empty containers should be thoroughly rinsed and offered for recycling.

SECTION 14 - TRANSPORTATION INFORMATION

| | |
|---------------------|-------------------------------------|
| DOT: Not Regulated | Proper Shipping Name: Not Regulated |
| IMDG: Not Regulated | Proper Shipping Name: Not Regulated |
| IATA: Not Regulated | Proper Shipping Name: Not Regulated |

SECTION 15 - REGULATORY INFORMATION

SARA/CERCLA/313: No reportable ingredients. Not subject to any special reporting.
TSCA: Components are listed on the TSCA Inventory
EINECS: Yes
ADG: Non-Toxic, Non- Flammable
CALIFORNIA PROP 65: No reportable ingredients
CPR: None Listed: "This product MSDS contains all the information required by the CPR."
IDL: Yes
DSL/NDL: All Ingredients Listed
SAFETY PHRASE: S1/2/25

WHIMIS STATUS: This product does not require hazardous labeling or symbols.
VOC Content: 500 grams/liter as LVP-VOC, Propylene Glycol

SECTION 16 - OTHER INFORMATION

NSF Registration Number 119848, Non-Food Compound, Category P1
Product may be use in and around food and food equipment as per NSF Category P1.
Manufacturer Disclaimer: This information relates to the specific materials designated herein and may not be valid for such materials used in combination with any other material. The information contained in this document is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information.

Date Prepared: 04-19-13

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