

## SAFETY DATA SHEET

**Item Code: T0443**

<b>Section 1.</b>	<b>Identification of the material and the supplier</b>
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Item Code:	T0443
Product:	Super Blu Leak Detector Solution
Product Use:	Low freezing point leak detector solution
New Zealand Supplier:	Realcold Ltd
Address:	9 Prescott Street Penrose, Auckland
Telephone:	09 526 5700
Fax Number:	09 526 5721
<b>Emergency Telephone:</b>	<b>09 526 5700</b> <b>0800 766 764 (National Poison Centre)</b>
Manufacturer:	Refrigeration Technologies, 1111 N. Armando St, CA, USA
Date of MSDS Preparation:	14 March 2017 – ver 2

<b>Section 2.</b>	<b>Hazards Identification</b>
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**The manufacturer has stated that this substance is not hazardous according to USA or other internationally recognized standards.**

**On this basis the product is non-hazardous under the HSNO (Minimum Degrees of Hazard) Regulations 2001**

<b>Section 3.</b>	<b>Composition / Information on Ingredients</b>
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Ingredients	Wt%	CAS NUMBER.
Propylene Glycol	55%	57-55-6
Balance non hazardous		

<b>Section 4.</b>	<b>First Aid Measures</b>
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Routes of Exposure:

If in Eyes	Flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician if needed.
If on Skin	Wash off with soap and water
If Swallowed	Irritation to nausea. Hazardous only if ingested in large quantities
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Non Hazardous
<b>Hazards from decomposition products</b>	None
<b>Suitable Extinguishing media</b>	Water, CO2 or Dry Foam
<b>Precautions for firefighters and special protective clothing</b>	Wear protective clothing.
<b>HAZCHEM CODE</b>	None allocated

**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 local regulations.

**Section 7. Handling and Storage**

**Handling** Keep out of reach of children

**Storage** Store in a cool, dry place, out of direct sunlight. Do not freeze or heat above 49°C. Keep container closed.

**Section 8 Exposure Controls / Personal Protection****WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	CAS #	TWA		STEL	
		ppm	mg/m3	ppm	mg/m3
Propylene Glycol	57-55-6		10		

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.*

**Engineering Controls** Local and Mechanical exhaust if available

**Personal Protection**

**Respiratory:** 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

**Gloves:** Plastic or Rubber, Chemical Resistant

**Eye Protection:** Glasses, Goggles

**Protective Clothing:** 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 and Chemical Properties**

<b>Appearance</b>	Blue
<b>Odour</b>	Bland
<b>Flash Point</b>	
<b>Boiling Point</b>	125°C
<b>Freeze Point</b>	-36°C
<b>PH</b>	7-8
<b>Specific Gravity</b>	1.05
<b>Solubility in Water</b>	Complete

**Section 10. Stability and Reactivity**

<b>Stability of Substance</b>	Stable
<b>Conditions to Avoid</b>	None
<b>Incompatible Materials</b>	None
<b>Hazardous Decomposition Products</b>	CO, CO2

**Section 11 Toxicological Information**

Propylene Glycol	[57-55-6]	Oral:	LD50 (rat) =	5g/kg
		Dermal:	LD50 (rabbit) =	2g/kg

**Potential Health Effects:**

<b>Eyes:</b>	Irritation or Burning Sensation
<b>Skin:</b>	Irritation possible with sensitive persons
<b>Ingestion:</b>	Irritation to nausea. Hazardous only if ingested in large quantities.
<b>Inhalation:</b>	Not expected to be a hazard unless heated to evaporation

**Section 12. Ecotoxicological 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**

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.

Always follow Local regulations before disposal of any chemicals.

**Section 14 Transport Information**

The manufacturer has stated that this product is not Classified as a Dangerous Good for transport.

<b>Section 15</b>	<b>Regulatory Information</b>
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**The Manufacturer has stated that this substance is not hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001**

<b>Section 16</b>	<b>Other Information</b>
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1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

**Disclaimer**

This document has been issued by Realcold Limited and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to Realcold Limited or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While Realcold Limited have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Realcold Limited accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact the New Zealand distributor, Realcold Ltd, if further information is required.

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