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Safety Data Sheet

Section 1: Product and Company Information

Product Identifier

Product Name:

Gas & Air Leak Detector

Product Number:

150010

24 Hour Emergency Phone Numbers:

Section 2: Hazards Identification

GHS Classification	
	Acute Toxicity (Oral), hazard category 4 Eye Irritation, hazard category 2
GHS Label Elements	
Signal Word:	WARNING
Symbols:	
Hazard Statements:	H302 Harmful if swallowed. H319 Causes serious eye irritation.
Potential short term health effects	
Eyes:	Liquid, vapor or mist can irritate eyes.
Skin:	May be harmful if absorbed through skin. May cause irritation.
Inhalation:	At room temperature, exposure to vapor is unlikely due to low volatility. With good ventilation, single exposure is not expected to cause adverse effects. If material is heated or there is poor ventilation, vapor/mist may accumulate and cause respiratory irritation, headache, or nausea.
Ingestion:	Oral toxicity is expected to be moderate in humans. May cause nausea and vomiting, abdominal discomfort or diarrhea. May cause nervous system effects such as dizziness, incoordination, headache, numbness and/or confusion.
Chronic effects of exposure:	Repeated excessive exposure may cause irritation of upper respiratory tract, as well as effects on the following organs: Central Nervous System, kidneys, liver, lungs and brain.

Section 3: Composition / Information on Ingredients

Chemical Name	CAS No.	Weight-%
Ethylene Glycol	107-21-1	30-70%

Section 4: First Aid Measures

-Eye Contact:	Flush with cool water. Remove contact lenses, if applicable, and continue flushing occasionally lifting upper and lower eyelids. Obtain medical attention if irritation persists.
-Skin Contact:	Wash with soap and water. Remove contaminated clothing and wash before re-use. Obtain medical attention if irritation persists.
-Inhalation:	Not a normal route of exposure. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
-Ingestion	Wash out mouth with water. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
Note to Physician:	

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:	Water spray, Dry chemical or Foam
Unsuitable Extinguishing Media:	None known.
Specific Hazards Arising from Chemical:	If heated or in a fire, container may burst.
Protective equipment and precautions for fire-fighters:	Fire-fighters should wear self-contained breathing apparatus and full protective clothing.

Section 6: Accidental Release Measures

Personal Precautions:	Use personal protective equipment. Avoid breathing vapors, mist or gas. Avoid skin contact.
Spill Clean-Up:	Put on appropriate personal protective equipment (see section 8). <u>Large Spills:</u> Dike the spilled material, where this is possible. Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place in containers. Following product recover, flush area with water. <u>Small Spills:</u> Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13.

Section 7: Handling and Storage

Advice on Safe Handling:	Ensure adequate ventilation. Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling and before eating, drinking or smoking.
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Storage Conditions:	Store in cool, dry, well-ventilated location away from incompatible material. Keep container tightly closed when not in use.
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Section 8: Exposure Controls

<u>Product Name</u>	<u>Exposure Limits</u>
Ethylene Glycol (CAS 102-71-6)	TWA: 50 ppm ACGIH: 100 mg/m ³

Personal Protective Equipment	
**Eye/Face Protection:	Chemical goggles or safety glasses with side shields.
**Skin and Body Protection:	Rubber gloves, rubber apron, and boots.
Respiratory Protection:	If use conditions generate vapors or mists, wear NIOSH approved respirator
General Hygiene Considerations:	Handle in accordance with good industrial hygiene and safety practice. Do not get in eyes, on skin or on clothing. Do not eat, drink or smoke when using this material. Wash with soap and water after handling and before eating, drinking or using tobacco.

Section 9: Physical and Chemical Properties

Physical State:	Liquid	Color:	Pink
pH:	7.5 – 8.0	Odor:	Mild odor / non-offensive
Boiling Point:	ND	Vapor Pressure: MM HG/20 DEG, C:	0.06
Specific Gravity:	1.04	Evaporation Rate: (Butyl Acetate = 1)	0.01
Solubility:	100%		

Section 10: Stability and Reactivity

Chemical Stability and Reactivity	The product is stable under normal storage conditions.
Possible Hazardous Reactions	
Hazardous Polymerization	Will not occur.
Conditions to Avoid	Heat, sparks and open flames.
Incompatible Materials	Strong Oxidizing Agents, Strong Acids
Hazardous Decomposition Products	Can include, but not limited to: Aldehydes, Alcohols, Ethers

Section 11: Toxicological Information

Acute Toxicity				
Product/Ingredient Name	Result	Species	Dose	Exposure
Ethylene Glycol	LD50 Oral LD50 Dermal	Rat Rabbit	4,700mg/kg 10,626 mg/kg	- -

Section 12: Ecological Information

Environmental Effects:	No data available.
General Notes:	Slightly hazardous for water. Do not allow large quantities or un-diluted product to enter ground water or sewage system.

Section 13: Disposal Considerations

Waste Information:	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.
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Section 14: Transport Information

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label
DOT Classification	N/A	Not Regulated	n/a	n/a	n/a
IMDG Class		Not dangerous goods.			

NOTE: DOT Classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG*: Packaging Group

Section 15: Regulatory Information

TSCA	107-21-1 Ethylene Glycol
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Section 16: Other Information

	Health Hazards	Flammability	Physical Hazards	Personal Protection
HMIS	2	0	0	
NFPA	2	1	0	

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Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in text.