



MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Manufacturer: Black Swan Manufacturing Co. 4540 W. Thomas Street Chicago, IL 60651-3318 Telephone: 1-800-252-5796 Fax: 1-773-227-3705 Web Site: www.blackswanmfg.com E-mail: info@blackswanmfg.com	For any transportation or medical chemical emergencies call: <p style="text-align: center;">INFOTRAC</p> <p style="text-align: center;">(800) 535-5053 <u>OR</u> (352) 323-3500</p> <p style="text-align: center;">24 hours per day - 7 days a week</p>
Product Name: <p style="text-align: center;">Leak Detector</p>	Recommended Use: An all-purpose gas leak detector. Works on tubing, valves, cylinders, pressurized tanks, etc.

SECTION 2 - HAZARD(S) IDENTIFICATION

<p style="text-align: center;">NFPA</p> <div style="display: flex; justify-content: space-between;"> <div data-bbox="121 798 292 1071"> <p>HEALTH HAZARD</p> <p>4 Deadly 3 Extreme Danger 2 Hazardous 1 Slightly Hazardous 0 Normal Material</p> <p>SPECIFIC HAZARD</p> <p>Oxidizer OX Use NO WATER -W Simple Asphyxiant SA</p> </div> <div data-bbox="284 840 495 1029"> </div> <div data-bbox="495 798 828 1071"> <p>FIRE HAZARD Flash Points</p> <p>4 Below 73°F (Boiling pt. below 100°F) 3 Below 73°F (Boiling pt. at/above 100°F) and/or at/above 73°F - not exceeding 100°F 2 Above 100°F, Not exceeding 200°F 1 Above 200°F 0 Will not burn</p> <p>INSTABILITY</p> <p>4 May detonate 3 Shock and heat may detonate 2 Violent chemical changes 1 Unstable if heated 0 Stable</p> </div> </div>		<p style="text-align: center;">HMIS</p> <div style="display: flex; justify-content: space-between;"> <div data-bbox="998 840 1242 1029"> <p>HEALTH 1</p> <p>FLAMMABILITY 0</p> <p>REACTIVITY 0</p> <p>PPE <input checked="" type="checkbox"/></p> </div> <div data-bbox="1356 840 1526 976"> <p>0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard 3 Serious Hazard 4 Severe Hazard</p> </div> </div>
<p style="text-align: center;">Health</p> <p>Acute Toxicity: N/A Skin Corrosion: N/A Eye Irritation: N/A Skin Sensitization: NO</p>	<p style="text-align: center;">Environmental</p> <p>Acute Toxicity: N/A Chronic Toxicity: N/A</p>	<p style="text-align: center;">Physical</p> <p>Flammability: N/A Other: N/A</p>
<p style="text-align: center;">Hazardous Statement</p> <p style="text-align: center;">None.</p>		<p style="text-align: center;">Precautionary Statement</p> <p style="text-align: center;">Keep out of reach of children. Do not allow to be taken internally.</p>

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

This product is not classified as hazardous according to OSHA 1910.1200.

SECTION 4 - FIRST-AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
Skin: Remove contaminated shoes and clothing and clean before reuse. Wash skin in flowing water. Get medical attention if irritation persists.
Eyes: Flush eyes with water a minimum of 15 minutes occasionally lifting lower and upper lids. Get medical attention.
Ingestion: Do not induce vomiting. Do not give liquids. Obtain emergency medical attention.

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SECTION 5 - FIRE-FIGHTING MEASURES

<u>Extinguishing Media</u>		<u>Specific Hazards</u>	<u>Protective Equipment</u>
<u>Suitable</u>	<u>Unsuitable</u>		
Dry Chemical		None.	Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.
Carbon Dioxide	-----		
Water Fog			
Foam			
<u>Special Firefighting Procedures</u>			
None.			

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Minimize skin contact.
Protective Equipment:	None.
Emergency Procedures:	None.
Environmental Precautions:	Keep product out of sewers and waterways.
Methods for Cleaning-Up:	Eliminate all ignition sources. Do not touch or walk through spilled material. Flush spill area with water. Ventilate spill area. Absorb spill with inert material (dry sand or earth), then place in a chemical waste container.
Other Precautions:	None.

SECTION 7 - HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Ground and bond containers when transferring material.	Store containers in a cool, well ventilated place. Keep away from heat, sparks, and flame. Keep from freezing. Keep container closed when not in use.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>OSHA Exposure Limits</u>			
This product is not classified as hazardous according to OSHA 1910.1200.			
<u>Personal Protective Equipment</u>			
Respiratory Protection:	A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.		
Ventilation:	Local exhaust adequate.		
Other Protective Equipment:	<u>Protective Gloves</u>	<u>Eyes and Face Protection</u>	<u>Other Protective Equipment</u>
	Impervious protective gloves.	None.	Apron/Boots.
Other Precautions:	None.		
<u>Engineering Controls</u>			
Eyewash and safety shower station.			

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SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Greenish-Yellow	Volatile by Volume: N/A
Odor: Typical	Vapor Pressure: N/A
Odor Threshold: N/A	Vapor Density: >1
pH: N/A	Relative Density: N/A
Melting/Freezing Point: N/A	Solubility: Soluble
Boiling Point: N/A	Partition Coefficient: n-octanol/water: N/A
Boiling Range: N/A	Auto-ignition Temperature: N/A
Flash Point: 200 °F	Specific Gravity (H2O=1): 1.0337
Evaporation Rate: <1	Viscosity: N/A
Flammability: N/A	VOC: 15 g/l
Flammability Limits: LEL:N/A ; UEL:N/A	

SECTION 10 - STABILITY AND REACTIVITY

Stability Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	Hazardous Polymerization May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	Conditions To Avoid None.
Incompatible Materials Strong oxidizing agents, Sodium Nitrite, Nitrositing agents, Acids.	Hazardous Decomposition Products Combustion can lead to the formation of ammonia. Decomposition causes sulfur oxides to be released. Decomposition releases nitrogen oxides.	

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure Inhalation <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/>	Symptoms/Effects Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor (CNS depression). Prolonged or repeated contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis (rash). Causes eye irritation. Would likely cause gastrointestinal tract irritation. Ingestion may result in nausea, vomiting, diarrhea, and restlessness.
Long-Term Effects:	None.
Toxicity This product is not classified as hazardous according to OSHA 1910.1200.	

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	None.
Persistence & Degradability:	None.
Bioaccumulative Potential:	None.
Mobility in Soil:	None.
Other Adverse Effects:	None.

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SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state, and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. (U.S.) : Not Regulated.

SECTION 15 - REGULATORY INFORMATION

Meets Specifications MIL-L-25567D.

SECTION 16 - OTHER INFORMATION

Disclaimer:

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Black Swan Manufacturing Co. urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on the sheets.

Revision Date:

JULY 2010