





SECTION 1 - IDENTIFICATION

Manufacturer: Black Swan Mfg. Co. 4540 W. Thomas St. Chicago, IL 60651-3318 Tel.: 800-252-5796 Fax: 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 OR (352) 323-3500</p> <p style="text-align: center;">24 hours per day - 7 days a week</p>
Product Name: Leak Detector	Recommended Use: An all-purpose gas leak detector. Works on tubing, valves, cylinders, pressurized tanks, etc.

SECTION 2 – HAZARD(S) IDENTIFICATION

Labels  Irritant	NFPA 	GHS Classification								
Signal Word Warning	HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material	FIRE HAZARD Flash Points 4 – Below 73°F 3 – Below 100°F 2 – Above 100°F, Not exceeding 200°F 1 – Above 200°F 0 – Will not burn	Health Acute Toxicity: Not Established Skin Irritation: Cat. 2 Eye Irritation: Cat. 1 Skin Sensitization: NO	Environmental Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established						
HMIS <table border="1" style="width: 100%;"> <tr><td style="background-color: #000080; color: white;">HEALTH</td><td style="text-align: center; font-weight: bold;">1</td></tr> <tr><td style="background-color: #FF0000; color: white;">FLAMMABILITY</td><td style="text-align: center; font-weight: bold;">0</td></tr> <tr><td style="background-color: #FFD700; color: black;">REACTIVITY</td><td style="text-align: center; font-weight: bold;">0</td></tr> </table>	HEALTH	1	FLAMMABILITY	0	REACTIVITY	0	SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER W Radioactive ☣	REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable	Physical	
HEALTH	1									
FLAMMABILITY	0									
REACTIVITY	0									
		Hazardous Statements H315: Causes skin irritation H318: Causes serious eye damage	Precautionary Statements P102: Keep out of reach of children P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection.							

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemicals</u>	<u>CAS#</u>	<u>EINECS#</u>	<u>REACH</u> <u>Pre-registration Number</u>	<u>Approx %</u>
ALPHA OLEFIN SULFONATE	68439-57-6	N/A	N/A	10-25%
LINEAR ALKYL BENZENE SULFONATE	25155-30-0	N/A	N/A	1-2.5%
ALCOHOL ETHOXY SULFATE	9004-82-4	N/A	N/A	1-2.5%
ALKANOLAMIDE	MIXTURE	N/A	N/A	1-2.5%
TERTASODIUM SALT OF ETHYLENEDIAMINE				
TETRAACETIC ACID, DIHYDRATE	64-02-8	N/A	N/A	.1-1.0%

*Unlisted ingredients are 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 with flowing water. Get medical attention immediately. Eyes: Flush eyes with water for a minimum of 15 minutes occasionally lifting lower and upper lids. Get medical attention. Ingestion: DO NOT INDUCE VOMITING. Do not give liquids. Obtain medical attention.

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SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: None.
Combustion Products: None.
Extinguishing Media: Dry Chemical, Carbon Dioxide, Water Fog, Foam.
Unsuitable Extinguishing Media: None known.
Protective Equipment: Wear a self-contained breathing apparatus & protective clothing.
Special Fire Fighting Procedures: None.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Minimize skin contact.
Protective Equipment: None.
Emergency Procedures: None.
Environmental Precautions: Keep product away from sewers, watercourse or extensive land areas.
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.

SECTION 7 – HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Keep out of reach of children. Ground and bond containers when transferring material.	Store container in a cool, well ventilated place. Keep away from heat, sparks, and flame. Keep from freezing. Keep container closed when not in use. Incompatible Materials: Strong oxidizing agents, Sodium Nitrite, Nitrositing agents, Acids.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Hazardous Chemicals</u>	<u>Exposure Limits</u>		
	<u>ACGIH-TLV</u>	<u>ACGIH-STEL</u>	<u>OSHA-PEL</u>
ALPHA OLEFIN SULFONATE	N/A	N/A	N/A
LINEAR ALKYL BENZENE SULFONATE	N/A	N/A	N/A
ALCOHOL ETHOXY SULFATE	N/A	N/A	N/A
ALKANOLAMIDE	N/A	N/A	N/A
TETRASODIUM SALT OF ETHYLENEDIAMINE	N/A	N/A	N/A
TETRAACETIC ACID, DIHYDRATE	N/A	N/A	N/A

Engineering Controls: A source of running water to flush or wash the eyes and skin in case of contact.
Ventilation: Local exhaust adequate.
Personal Protective Equipment – Respiratory: 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. **Skin:** Impervious protective gloves. Apron and boots. **Eyes:** None.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance: Greenish-Yellow	Flash Point: 200°F	Vapor Pressure: Not Established
Odor: Typical	Specific Gravity: 1.0337	Flammability: Not Established
pH: Not Established	Solubility (H₂O): Soluble	Flammability Limits: LEL – Not Established
Melting Point: Not Established	Evaporation Rate: <1	UEL – Not Established
Freezing Point: Not Established	Vapor Density: >1	
Boiling Point: Not Established	VOC: 15 g/l	

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
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.

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SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Chemicals</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
ALPHA OLEFIN SULFONATE	Oral: >2000 mg/kg (rat)	Inhalation: >2000 mg/m (rat)
LINEAR ALKYL BENZENE SULFONATE	Oral: >1000 mg/kg (rat)	Inhalation: >2000 mg/m (rat)
ALCOHOL ETHOXY SULFATE	N/A	N/A
ALKANOLAMIDE	N/A	N/A
TETRASODIUM SALT OF ETHYLENEDIAMINE TETRAACETIC ACID, DIHYDRATE	Oral: 1800 mg/kg (rat)	N/A

Likely Routes of Exposure: Inhalation, Skin Contact, Eye Contact and Ingestion.

Symptoms and Effect – Inhalation: Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor (CNS Depression). **Skin Contact:** Prolonged or repeated contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis (rash). **Eye Contact:** Cause eye irritation. **Ingestion:** Would likely cause gastrointestinal tract irritation. Ingestion may result in nausea, vomiting, diarrhea, and restlessness.

Long-Term Effect: None.

Pre-Existing Conditions: None known.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: None known.

Persistence & Degradability: None known.

Bioaccumulative Potential: None known.

Mobility in soil: In normal use, emission of Volatile Organic Compounds (VOC's) to the air takes place, typically at a rate of 15 g/l.

SECTION 13 – DISPOSAL CONSIDERATION

Dispose of product or container in accordance with federal, state or local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

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

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: None.

Risk Phrases: None.

Safety Phrases: S2-Keep out of reach of children.

SECTION 16 – OTHER INFORMATION

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 Mfg. 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. **DATE: 01/01/2026**