



SECTION 1 - IDENTIFICATION

Manufacturer: Black Swan Mfg. Co. 4540 W. Thomas St. Chicago, IL 60651-3318... For any Transportation or Medical Chemical Emergencies call: INFOTRAC (800) 535-5053 OR (352) 323-3500... Product Name: Leak Detector Recommended Use: An all-purpose gas leak detector.

SECTION 2 - HAZARD(S) IDENTIFICATION

Labels: Irritant Signal Word: Warning HMIS: HEALTH 1, FLAMMABILITY 0, REACTIVITY 0 NFPA: 1-0-0 GHS Classification: Health, Environmental, Physical Hazardous Statements: H315, H318 Precautionary Statements: P102, P264, P280

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Table with 5 columns: Chemicals, CAS#, EINECS#, REACH Pre-registration Number, Approx %. Includes ingredients like ALPHA OLEFIN SULFONATE, LINEAR ALKYL BENZENE SULFONATE, etc.

SECTION 4 - FIRST-AID MEASURES

Inhalation: Remove to fresh air. Skin: Remove contaminated shoes and clothing. Eyes: Flush eyes with water. Ingestion: DO NOT INDUCE VOMITING.

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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. <b>Incompatible Materials:</b> 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			
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

<b>Appearance:</b> Greenish-Yellow	<b>Flash Point:</b> 200°F	<b>Vapor Pressure:</b> Not Established
<b>Odor:</b> Typical	<b>Specific Gravity:</b> 1.0337	<b>Flammability:</b> Not Established
<b>pH:</b> Not Established	<b>Solubility (H<sub>2</sub>O):</b> Soluble	<b>Flammability Limits:</b> LEL – Not Established
<b>Melting Point:</b> Not Established	<b>Evaporation Rate:</b> <1	UEL – Not Established
<b>Freezing Point:</b> Not Established	<b>Vapor Density:</b> >1	
<b>Boiling Point:</b> Not Established	<b>VOC:</b> 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>LD<sub>50</sub></u>	<u>LC<sub>50</sub></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: 01/01/2021**