



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: INFOTRAC (800) 535-5053 OR (352) 323-3500 24 hours per day - 7 days a week
Product Name: Liquid Hand Sanitizer - Alcohol	Recommended Use: Hand sanitizing solution.

SECTION 2 – HAZARD(S) IDENTIFICATION

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Labels   Flammable Irritant	NFPA HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material 0 3 0 0 SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER W Radioactive ☢ 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 REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable	GHS Classification Health Acute Toxicity: Not Established Skin Irritation: Not Established Eye Irritation: Cat.2B Skin Sensitization: NO Environmental Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established Physical None
Signal Word Warning HMIS HEALTH 0 FLAMMABILITY 3 REACTIVITY 0		
Hazardous Statements H226: Flammable liquid and vapor H242: Heating may cause a fire H302: Harmful if swallowed H319: Causes serious eye irritation	Precautionary Statements P210: Keep away from heat, sparks, open flames, and hot surfaces – No smoking P240: Ground or bond container and receiving equipment P281: Use personal protective equipment as required	

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>
DENATURED ETHANOL	64-17-5		N/A	75-85%
HYDROGEN PEROXIDE	7722-84-1		N/A	0.1-0.2%
GLYCERIN USP	56-81-5		N/A	0.6-0.9%

*Unlisted ingredients are not classified as hazardous according to OSHA 1910.1200.

SECTION 4 – FIRST-AID MEASURES

Inhalation: Remove victim to fresh air. Seek medical attention if irritation continues. Skin: Rinse skin with water/shower. Get medical attention if irritation continues. Eyes: Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so, continue rinsing. Get medical attention if irritation continues. Ingestion: Seek medical attention.
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SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: Pressure can build up in head space of container if exposed to excessive heat.
Combustion Products: None known.
Extinguishing Media: Ordinary flammable material. Use fire extinguisher with Class ABC extinguishing agent.
Unsuitable Extinguishing Media: None known.
Protective Equipment: Use appropriate eye, face, respiratory and skin PPE when handling spilled material.
Special Fire Fighting Procedures: Evacuate enclosed areas, stay upwind. Closed or confined quarters require self-contained breathing apparatus, positive pressure hose masks or airline masks

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: None.
Protective Equipment: None.
Emergency Procedures: None.
Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways.
Methods for Cleaning Up: Use suitable absorbent materials such as oil dry, wipes or absorbent pigs.

SECTION 7 – HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Solvents in product can be released in storage if subjected to heat. Use general ventilation and/or local exhaust ventilation to control airborne exposures to below OSHA Permissible Exposure Limits.	Store product in well ventilated space. Maintain storage temperature below 30°C. Avoid contact with strong oxidizing agents. Store large quantities only in buildings designed to comply with OSHA 1910.106. Store containers out of sunlight and away from heat. Pressure can build up in head space of container if exposed to excessive heat.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

This product is considered to be a consumer commodity that is safe for consumer use under normal and reasonable use. Due to the flammability of the ingredients, inappropriate use of this product could result in severe unintended consequences.

Exposure Limits

<u>Hazardous Chemicals</u>	<u>ACGIH-TLV</u>	<u>NIOSH REL</u>	<u>OSHA-PEL</u>
Ethyl Alcohol	8-hour TLV - N/A 15-minute STEL - 1000 ppm	10-hour TWA - 1000 ppm (1900 mg/m ³)	8-hour TWA - 1000 ppm (1900 mg/m ³)
Hydrogen Peroxide	8-hour TWA - 1 ppm	10-hour TWA - 1 ppm	8-hour TWA - 1 ppm (1.4 mg/m ³)
Glycerin	N/A	N/A	8-hour TWA - 15 mg/m ³ (total dust) 5 mg/m ³ (respirable)

Engineering Controls: Local exhaust ventilation as indicated by good industrial safety practice.
Ventilation: Local ventilation is adequate.
Personal Protective Equipment – Respiratory: Respiratory protection such as air purifying respirators with organic vapor cartridges may be necessary.
Personal Protective Equipment – Skin: In consumer product quantities – this product is safe for use without the use of PPE provided the product is only applied to the skin. In non-consumer product bulk quantities - Use suitable protective gloves when handling material.
Personal Protective Equipment – Eyes: Safety glasses with side shields or goggles are recommended for good industrial safety practice.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Clear Liquid	Flash Point:	77°F	Vapor Pressure:	Not Established
Odor:	Sweet; alcohol-like	Specific Gravity:	Not Established	Flammability:	Flammable
pH:	6.5-8.5	Solubility (H2O):	Soluble in water	Flammability Limits:	LEL – Not Established UEL – Not Established
Melting Point:	Not Established	Evaporation Rate:	Slower than ether		
Freezing Point:	Not Established	Vapor Density:	<1.0		
Boiling Point:	158°F	VOC:	Not Available		

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Conditions to avoid: Open flames, sparks, ignition sources, and any sources of high heat.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products: None known.

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SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Chemicals</u>	<u>Toxicity</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
Ethanol	>5000 mg/kg (rat)	124.7 mg/l (rat)	
Hydrogen Peroxide	≥ 90000 mg/kg (rat)	11 mg/l (4-hours) (rat)	
Glycerin	>10 g/kg (rat)	N/A	

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

Symptoms and Effect –

Inhalation: Possible inhalation of solvents if material is not handled in a properly ventilated area.

Skin Contact: Possible contact if required PPE is not used or the product is used improperly.

Eye Contact: Possible contact if required PPE is not used or the product is used improperly.

Ingestion: Possible acute oral toxicity.

Long-Term Effect: None known.

Pre-Existing Conditions: None known.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: None known.

Persistence & Degradability: None known.

Bioaccumulative Potential: None known.

Mobility in soil: None known.

SECTION 13 – DISPOSAL CONSIDERATION

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

Product may be disposed of as a flammable liquid

US EPA Waste Code(s): D001

SECTION 14 – TRANSPORTATION INFORMATION

Shipping Information

Shipping Name: Ethanol Solution
Hazardous Class: 3
I.D. Number: UN1170
Packing Group: III
Label Required: Flammable Liquid
Marine Pollutant: No

Exception to the rule: If the package that contains the hazardous material is in a small consumer size (Less than 1L), then the rules that apply to shipping hazardous materials do not apply. This is called an “Exception”. (>24%) ethanol, by volume.
This is classified as Limited Quantity.

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SECTION 15 – REGULATORY INFORMATION

AICS	Hydrogen Peroxide	7722-84-1
California Proposition 65	This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive disorders.	
Canada Domestic Substances List	Ethyl Alcohol	64-17-5
	Hydrogen Peroxide	7722-84-1
CERCLA	This material does not contain any components with a CERCLA RQ	
New Jersey Right to Know	Ethyl Alcohol	64-17-5
	Hydrogen Peroxide	7722-84-1
	Glycerin	56-81-5
Pennsylvania Right to Know	Ethyl Alcohol	64-17-5
	Hydrogen Peroxide	7722-84-1
	Glycerin	56-81-5
SARA 302	No chemicals in this material are subject to the SARA 302 reporting requirements	
SARA (311, 312) Hazard Class	Fire Hazard	
	Serious Eye Damage/Eye Irritation	
SARA Section 313	No chemicals in this material are subject to the SARA 313 reporting requirements	

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: 01/01/2025