



SECTION 1 - IDENTIFICATION

Table with 2 columns: Manufacturer information (Black Swan Mfg. Co., Chicago, IL) and Emergency contact information (INFOTRAC, (800) 535-5053 OR (352) 323-3500, 24 hours per day - 7 days a week).

SECTION 2 – HAZARD(S) IDENTIFICATION

Labels: Health Hazard, Flammable. Signal Word: Danger. HMIS: HEALTH 1, FLAMMABILITY 3, REACTIVITY 0. NFPA: 1 (Health), 3 (Fire), 0 (Reactivity). GHS Classification: Health (Acute Toxicity: Not Established, Skin Irritation: Not Established, Eye Irritation: Not Established, Skin Sensitization: NO), Environmental (Acute Aquatic Toxicity: Not Established, Chronic Aquatic Toxicity: Not Established), Physical (Flammability: Cat. 2).

Table with 2 columns: Hazardous Statements (H225: Highly flammable liquid and vapor, H304: May be fatal if swallowed and enters airways, H312: Harmful in contact with skin, H319: Causes serious eye irritation, H332: Harmful if inhaled, H335: May cause respiratory irritation, H336: May cause drowsiness or dizziness) and Precautionary Statements (P102: Keep out of reach of children, P103: Read label before use, P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking, P233/P235: Keep container tightly closed and cooled, P243: Take precautionary measures against static discharge, P261: Avoid breathing dust/fume/gas/mist/vapors/spray, P262: Do not get in eyes, on skin, or on clothing, P264: Wash thoroughly after handling, P270: Do not eat, drink or smoke when using this product, P271: Use only outdoors or in a well-ventilated area, P280/P284: Wear protective gloves/protective clothing/eye protection/face protection. Wear a NIOSH approved respirator for organic solvents).

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Table with 5 columns: Chemicals, CAS#, EINECS#, REACH Pre-registration Number, Approx %. Rows include ETHYL ALCOHOL, METHYL ALCOHOL, ETHYL ACETATE, ACETONE, and POLYVINYL BUTYRAL.

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

SECTION 4 – FIRST-AID MEASURES

Inhalation: Move into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and call physician. Skin: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Eyes: Flush with water for 15 minutes. If irritation persists, get medical attention. Ingestion: Give 1 or 2 glasses of water. DO NOT INDUCE VOMITING. Contact physician immediately.

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SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: Vapors may travel considerable distance to sources of ignition and flash back.
Combustion Products: None.
Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical, Water Fog.
Unsuitable Extinguishing Media: None Known.
Protective Equipment: Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.
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. Use agents appropriate for surrounding fires.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: None.
Protective Equipment: Wear suitable respiratory protective equipment.
Emergency Procedures: None.
Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways.
Methods for Cleaning Up: Absorb with suitable inert material. Remove all sources of ignition.

SECTION 7 – HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Use good personal hygiene practice. Avoid inhalation of vapors and personal contact with the product. Repeated and prolonged overexposure to solvents may cause brain and nervous system damage. Concentrating and inhaling the contents may be harmful or fatal.	Keep and store in a cool, dry place from sources of ignition. Ground during transfer. Keep container tightly closed when not in use. Incompatible Materials: Strong oxidizing agents, strong acids.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Hazardous Chemicals</u>	<u>ACGIH-TLV</u>	<u>ACGIH-STEL</u>	<u>OSHA-PEL</u>
ETHYL ALCOHOL	1000 ppm	N/A	1000 ppm
METHYL ALCOHOL	200 ppm	N/A	200 ppm
ETHYL ACETATE	400 ppm	N/A	400 ppm
ACETONE	500 ppm	750 ppm	1000 ppm

Exposure Limits

Engineering Controls: A source of running water to flush or wash the eyes and skin in case of contact.
Ventilation: Mechanical.
Personal Protective Equipment – Respiratory: If use conditions generate vapors or mists, wear a NIOSH-approved respirator appropriate for those emission levels. Appropriate respirators may be a full face piece or a half mask air-purifying cartridge respirator equipped for organic vapors/mists, a self-contained breathing apparatus in the pressure demand mode, or a supplied-air respirator.
Personal Protective Equipment – Skin: Impermeable gloves. Chemical resistant coveralls.
Personal Protective Equipment – Eyes: Safety glasses with side shields or chemical goggles.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance: Amber Viscous Liquid	Flash Point: 65°F (T.C.C.)	Vapor Pressure: Not Established
Odor: Characteristic Solvent	Specific Gravity: Approx. 0.70	Flammability: Not Established
pH: Not Established	Solubility (H2O): Insoluble	Flammability Limits: LEL – 0.9%
Melting Point: Not Established	Evaporation Rate: > 1.0	UEL – 7.0%
Freezing Point: Not Established	Vapor Density: > 1.0	
Boiling Point: 170°F	VOC: 250 g/l	

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SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Conditions to avoid: Sparks, open flames, hot surfaces and strong oxidizing agents.

Incompatible materials: Strong oxidizing agents, strong acids.

Hazardous decomposition products: Carbon Monoxide, Carbon Dioxide

SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Chemicals</u>	<u>Toxicity</u>	
	<u>LD₅₀</u>	<u>LC₅₀</u>
ETHYL ALCOHOL	N/A	N/A
METHYL ALCOHOL	N/A	N/A
ETHYL ACETATE	N/A	N/A
ACETONE	N/A	N/A
POLYVINYL BUTYRAL	N/A	N/A

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

Symptoms and Effect - Inhalation: It is a respiratory tract irritant and anesthetic and causes central nervous system depression (e.g. headache, drowsiness, dizziness, loss of coordination & fatigue). **Skin Contact:** May cause mild skin irritation. Prolonged or repeated contact may cause redness, burning, and drying and cracking of the skin. **Eye Contact:** May cause mild eye irritation. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing and redness. **Ingestion:** Ingestion of excessive quantities may cause irritation of the digestive tract and signs of nervous system depression.

Long-Term Effect: None known.

Pre-Existing Conditions: Any pre-existing heart or skin condition or an impaired lung function.

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 ≤ 250 g/l.

SECTION 13 – DISPOSAL CONSIDERATION

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

SECTION 14 – TRANSPORTATION INFORMATION

Shipping Information

Shipping Name: Adhesives, Containing a Flammable Liquid

Hazardous Class: 3

I.D. Number: UN1133

Packing Group: II

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".

This is classified as Limited Quantity.

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: Flammable, and Health Hazard.

Risk Phrases: R10-Flammable. R36/37-Irritant to eyes and respiratory system.

Safety Phrases: S2-Keep out of reach of children. S9-Keep container in a well-ventilated place. S16-Keep away from sources of ignition-No smoking. S25-Avoid contact with eyes. S26-In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S33-Take precautionary measures against static discharges.

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