



SECTION 1 - IDENTIFICATION

Table with 2 columns: Manufacturer information (Black Swan Mfg. Co., Chicago, IL) and Recommended Use (To seal threaded pipes on metal and plastic connections).

SECTION 2 - HAZARD(S) IDENTIFICATION

Table with 3 columns: Labels (Irritant, Warning), NFPA (Health Hazard 1, Fire Hazard 2, Reactivity 0), and GHS Classification (Health, Environmental, Physical). Includes Hazardous Statements and Precautionary Statements.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Table with 5 columns: Chemicals, CAS#, EINECS#, REACH Pre-registration Number, and Approx %. Lists ingredients like 2-BUTOXYETHANOL, OXIDIZED CASTOR OIL, etc.

SECTION 4 - FIRST-AID MEASURES

Table with 1 column: First-aid measures for Inhalation, Skin, Eyes, and Ingestion.

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## SECTION 5 – FIRE-FIGHTING MEASURES

**Fire Hazard:** Combustible-Moderate flash point. Vapors heavier than air and may travel along the ground or to low spots at considerable distances to a source of ignition resulting in potential flashback. Burning liquid may float on water. Heat may build up pressure and rupture containers.

**Combustion Products:** None known.

**Extinguishing Media:** Carbon Dioxide Gas, Dry Chemical Powder, and Water.

**Unsuitable Extinguishing Media:** None known.

**Protective Equipment:** Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.

**Special Fire Fighting Procedures:** As appropriate for combustibles in area.

## 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:** Soak up spill with an inert absorbent such as sand, earth or other noncombusting material. Transfer absorbent material to a covered, labeled, metal container. Do not use plastic or aluminum containers.

## SECTION 7 – HANDLING AND STORAGE

### Handling

Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all product precautions. Do not reuse empty containers.

### Storage

Keep container closed and upright when not in use. Do not store near heat, sparks, or open flames.

## 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>
2-BUTOXYETHANOL	25 ppm	N/A	50 ppm

**Engineering Controls:** A source of running water to flush or wash the eyes and skin in case of contact. Use local exhaust as needed.

**Ventilation:** Local ventilation is adequate.

**Personal Protective Equipment – Respiratory:** Avoid breathing of fumes. If used in a confined area, a respirator may be necessary.

**Personal Protective Equipment – Skin:** Protective Gloves.

**Personal Protective Equipment – Eyes:** Protective Goggles.

## SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b> Black Paste	<b>Flash Point:</b> Above 200°F	<b>Vapor Pressure:</b> 0.88mm Hg @25°C
<b>Odor:</b> Mild	<b>Specific Gravity:</b> 1.41	<b>Flammability:</b> 921°F
<b>pH:</b> Not Established	<b>Solubility (H2O):</b> Slight	<b>Flammability Limits:</b> LEL - 1.1%
<b>Melting Point:</b> Not Established	<b>Evaporation Rate:</b> 0.6 (BUAC=1)	UEL - 10.6%
<b>Freezing Point:</b> Not Established	<b>Vapor Density:</b> >1.00 (AIR=1)	
<b>Boiling Point:</b> 180°F	<b>VOC:</b> 190 g/l	

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable.

**Hazardous polymerization:** Will not occur.

**Conditions to avoid:** Heat, sparks, open flames and strong oxidizing.

**Incompatible materials:** Liquid Oxygen Systems, Liquid Sodium, Gaseous Fluorine, Strong Oxidizers.

**Hazardous decomposition products:** None.

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## SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Chemicals</u>	<u>Toxicity</u>	<u>LC<sub>50</sub></u>
2-BUTOXYETHANOL	<u>LD<sub>50</sub></u> N/A	<u>LC<sub>50</sub></u> N/A
<b>Likely Routes of Exposure:</b> Skin Contact and Eye Contact <b>Symptoms and Effect - Inhalation:</b> Possible dizziness if used in confined area. <b>Skin Contact:</b> May cause mild irritation to sensitive skin. <b>Eye Contact:</b> May cause eye irritation. <b>Ingestion:</b> None. <b>Long-Term Effect:</b> None known <b>Pre-Existing Conditions:</b> None known		

## SECTION 12 – ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b> None known. <b>Persistence &amp; Degradability:</b> None known. <b>Bioaccumulative Potential:</b> None known. <b>Mobility in soil:</b> None known.
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## 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

<b>Precautionary Label Information:</b> Irritant. <b>Risk Phrases:</b> R36/38-Irritant to eyes and skin. <b>Safety Phrases:</b> S2-Keep out of reach of children. S3-Keep in a cool place. S7-Keep container tightly closed when not in use. S24/25-Avoid contact with skin and eyes. S29-Do not empty into drains, storm drains or watercourses. S35-Dispose of material and container in a safe way. S37/39-Wear suitable gloves and eye protection. S51-Use in well ventilated area.
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## 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. <b>DATE: 01/01/2021</b>
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