



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 2 columns: Labels (Irritant, Warning, HMIS) and GHS Classification (Health, Environmental, Physical). Includes NFPA diamond (1, 2, 0) and Hazardous/Precautionary Statements.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Table with 5 columns: Hazardous Chemicals, CAS#, EINECS#, REACH Pre-registration Number, and Approx %. Lists Ethylene Glycol N-butyl Ether.

SECTION 4 - FIRST-AID MEASURES

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

SECTION 5 - FIRE-FIGHTING MEASURES

Table with 1 column: Fire-fighting measures including Fire Hazard, Combustion Products, Extinguishing Media, and Protective Equipment.

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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>ETHYLENE GLYCOL N-BUTYL ETHER</u>	<u>ACGIH-TLV</u>	<u>ACGIH-STEL</u>	<u>OSHA-PEL</u>
	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

Appearance: Blue Paste	Flash Point: 82°F	Vapor Pressure: 0.88mm Hg @25°C
Odor: Mild	Specific Gravity: 1.41	Flammability: 921°F
pH: Not Established	Solubility (H2O): Slight	Flammability Limits: LEL - 1.1% UEL - 10.6%
Melting Point: Not Established	Evaporation Rate: 0.6 (BUAC=1)	
Freezing Point: Not Established	Vapor Density: >1.00 (AIR=1)	
Boiling Point: 180°F	VOC: 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

SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Chemicals</u>	<u>Toxicity</u>	
<u>ETHYLENE GLYCOL N-BUTYL ETHER</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
	N/A	N/A

Likely Routes of Exposure: Skin Contact and Eye Contact
Symptoms and Effect - Inhalation: Possible dizziness if used in confined area. **Skin Contact:** May cause mild irritation to sensitive skin.
Eye Contact: May cause eye irritation. **Ingestion:** None.
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

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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

Precautionary Label Information: Irritant

Risk Phrases: R36/38-Irritant to eyes and skin.

Safety Phrases: 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.

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: 01/01/2014**