
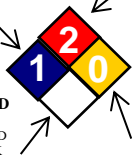


SECTION 1 - IDENTIFICATION

<p>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</p>	<p>For any Transportation or Medical Chemical Emergencies call:</p> <p style="text-align: center;">INFOTRAC</p> <p style="text-align: center;">(800) 535-5053 OR (352) 323-3500</p> <p style="text-align: center;">24 hours per day - 7 days a week</p>
<p>Product Name: Swan Seal</p>	<p>Recommended Use: To seal threaded pipes on metal and plastic connections.</p>

SECTION 2 – HAZARD(S) IDENTIFICATION

<p>Labels</p>  <p>Irritant</p> <p>Signal Word Warning</p> <p>HMIS</p> <table border="1" style="width: 100%;"> <tr> <td style="background-color: #000080; color: white;">HEALTH</td> <td style="background-color: #000080; color: white; text-align: center;">1</td> </tr> <tr> <td style="background-color: #ff0000; color: white;">FLAMMABILITY</td> <td style="background-color: #ff0000; color: white; text-align: center;">2</td> </tr> <tr> <td style="background-color: #ffff00; color: black;">REACTIVITY</td> <td style="background-color: #ffff00; color: black; text-align: center;">0</td> </tr> </table>	HEALTH	1	FLAMMABILITY	2	REACTIVITY	0	<p style="text-align: center;">NFPA</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material</p> <p>SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER Radioactive</p> </td> <td style="width: 50%; vertical-align: top;"> <p>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</p> <p>REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable</p> </td> </tr> </table> 	<p>HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material</p> <p>SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER Radioactive</p>	<p>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</p> <p>REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable</p>	<p style="text-align: center;">GHS Classification</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p style="text-align: center;">Health</p> <p>Acute Toxicity: Not Established Skin Irritation: Cat. 3 Eye Irritation: Cat. 2B Skin Sensitization: NO</p> </td> <td style="width: 50%; vertical-align: top;"> <p style="text-align: center;">Environmental</p> <p>Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established</p> </td> </tr> <tr> <td colspan="2" style="text-align: center;"> <p>Physical None</p> </td> </tr> </table>	<p style="text-align: center;">Health</p> <p>Acute Toxicity: Not Established Skin Irritation: Cat. 3 Eye Irritation: Cat. 2B Skin Sensitization: NO</p>	<p style="text-align: center;">Environmental</p> <p>Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established</p>	<p>Physical None</p>	
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<p style="text-align: center;">Hazardous Statements</p> <p>H303: May be harmful if swallowed. H313: May be harmful in contact with skin. H335 + H336: May cause respiratory irritation and drowsiness or dizziness.</p>		<p style="text-align: center;">Precautionary Statements</p> <p>P102: Keep out of reach of children P233: Keep container tightly closed P262: Do not get in eyes, on skin or on clothing P271: Use only outdoors or in well-ventilated area</p>												

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>
2-BUTOXYETHANOL	111-76-2	N/A	N/A	13-18%
OXIDIZED CASTOR OIL	68187-84-8	269-128-4	N/A	5-10%
POLYTETRAFLUOROETHYLENE	9002-84-0	N/A	N/A	8-12 %
CALCIUM CARBONATE	1317-65-3	N/A	N/A	60-80%
SILICONE DIOXIDE, CHEMICALLY PREPARED	112945-52-2	N/A	N/A	1-2 %

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

SECTION 4 – FIRST-AID MEASURES

<p>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. If irritation persists get medical attention. 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.</p>

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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

Store in a closed container. Keep away from heat, sparks, or open flames.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

<u>Hazardous Chemicals</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

Appearance: White 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%
Melting Point: Not Established	Evaporation Rate: 0.6 (BUAC=1)	UEL – 10.6%
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.

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SECTION 11 – TOXICOLOGICAL INFORMATION

Hazardous Chemicals
2-BUTOXYETHANOL

Toxicity
LD₅₀
N/A

LC₅₀
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.

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: 01/01/2015**