



BLACK SWAN MFG. CO.

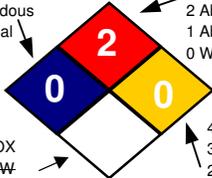
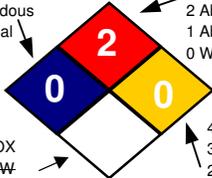
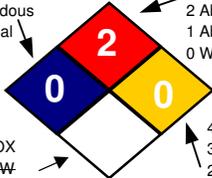
MATERIAL SAFETY DATA SHEET



SECTION 1 - IDENTIFICATION

Manufacturer: Black Swan Manufacturing Co. 4540 W. Thomas Street Chicago, IL 60651-3318 Telephone: 1-800-252-5796 Fax: 1-773-227-3705 Web Site: www.blackswanmfg.com E-mail: info@blackswanmfg.com	For any transportation or medical chemical emergencies call: <p style="text-align: center;">INFOTRAC</p> <p style="text-align: center;">(800) 535-5053 <u>OR</u> (352) 323-3500</p> <p style="text-align: center;">24 hours per day - 7 days a week</p>
Product Name: <p style="text-align: center;">Big Blue</p>	Recommended Use: <p style="text-align: center;">To seal threaded pipes on metal and plastic connections.</p>

SECTION 2 - HAZARD(S) IDENTIFICATION

<p>Labels</p>  <p>Irritant</p>  <p>Harmful</p>	<p>NFPA</p> <table border="0"> <tr> <td style="vertical-align: top;"> HEALTH HAZARD 4 Deadly 3 Extreme Danger 2 Hazardous 1 Slightly Hazardous 0 Normal Material </td> <td style="text-align: center; vertical-align: middle;">  </td> <td style="vertical-align: top;"> FIRE HAZARD Flash Points 4 Below 73°F (Boiling pt. below 100°F) 3 Below 73°F (Boiling pt. at/above 100°F) and/or at/above 73°F - not exceeding 100°F 2 Above 100°F, Not exceeding 200°F 1 Above 200°F 0 Will not burn </td> </tr> <tr> <td style="vertical-align: top;"> SPECIFIC HAZARD Oxidizer OX Use NO WATER W Simple Asphyxiant SA </td> <td style="vertical-align: top;"> INSTABILITY 4 May detonate 3 Shock and heat may detonate 2 Violent chemical changes 1 Unstable if heated 0 Stable </td> <td></td> </tr> </table>	HEALTH HAZARD 4 Deadly 3 Extreme Danger 2 Hazardous 1 Slightly Hazardous 0 Normal Material		FIRE HAZARD Flash Points 4 Below 73°F (Boiling pt. below 100°F) 3 Below 73°F (Boiling pt. at/above 100°F) and/or at/above 73°F - not exceeding 100°F 2 Above 100°F, Not exceeding 200°F 1 Above 200°F 0 Will not burn	SPECIFIC HAZARD Oxidizer OX Use NO WATER W Simple Asphyxiant SA	INSTABILITY 4 May detonate 3 Shock and heat may detonate 2 Violent chemical changes 1 Unstable if heated 0 Stable		<p>HMIS</p> <table border="0"> <tr> <td style="background-color: #000080; color: white; padding: 2px;">HEALTH</td> <td style="border: 1px solid black; padding: 2px; text-align: center;">0</td> <td rowspan="4" style="padding-left: 20px;"> 0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard 3 Serious Hazard 4 Severe Hazard </td> </tr> <tr> <td style="background-color: #FF0000; color: white; padding: 2px;">FLAMMABILITY</td> <td style="border: 1px solid black; padding: 2px; text-align: center;">2</td> </tr> <tr> <td style="background-color: #FFD700; padding: 2px;">REACTIVITY</td> <td style="border: 1px solid black; padding: 2px; text-align: center;">0</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">PPE</td> <td style="border: 1px solid black; padding: 2px; text-align: center;">A</td> </tr> </table>	HEALTH	0	0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard 3 Serious Hazard 4 Severe Hazard	FLAMMABILITY	2	REACTIVITY	0	PPE	A	
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Chronic Toxicity:	N/A																	
Flammability:	N/A																	
Other:	N/A																	
<p>Hazardous Statement</p> <p>Caution! May cause irritation to skin, eyes, and respiratory tract.</p>	<p>Precautionary Statement</p> <p>Keep out of reach of children and pets. Do not take internally. Do NOT induce vomiting.</p>																	

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Chemicals</u>	<u>CAS #</u>	<u>EINECS#</u>	<u>Approx %</u>
CALCIUM CARBONATE	471-34-1	207-439-9	50-70 %
ETHYLENE GLYCOL N-BUTYL ETHER	111-76-2	203-905-0	13-18 %

*Title III Section 313 Supplier Notification: This product contains toxic chemicals subject to the reporting requirement of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.

SECTION 4 - FIRST-AID MEASURES

Inhalation:	Remove to a well ventilated area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Skin:	Wash skin with soap and water. Remove contaminated clothing.
Eyes:	Flush eyes with water for 15 minutes. Call a physician.
Ingestion:	Do not induce vomiting. If conscious, dilute by giving large quantities of milk or water. Call a physician.

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SECTION 5 - FIRE-FIGHTING MEASURES

<u>Extinguishing Media</u>	<u>Specific Hazards</u>	<u>Protective Equipment</u>								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><u>Suitable</u></td> <td style="width: 50%;"><u>Unsuitable</u></td> </tr> <tr> <td>Carbon Dioxide</td> <td></td> </tr> <tr> <td>Dry Chemical</td> <td style="text-align: center;">-----</td> </tr> <tr> <td>Water</td> <td></td> </tr> </table>	<u>Suitable</u>	<u>Unsuitable</u>	Carbon Dioxide		Dry Chemical	-----	Water		Contact with strong oxidizers may cause fires or explosions. Carbon Monoxide may be released.	None.
<u>Suitable</u>	<u>Unsuitable</u>									
Carbon Dioxide										
Dry Chemical	-----									
Water										
<u>Special Firefighting Procedures</u>										
None.										

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions:	None.
Protective Equipment:	None.
Emergency Procedures:	None.
Environmental Precautions:	None.
Methods for Cleaning-Up:	Clean up by scrapping and put in a container for disposal.
Other Precautions:	None.

SECTION 7 - HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Wash thoroughly after handling.	Store away from heat or open flame. Close container after use.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Hazardous Components</u>	<u>OSHA Exposure Limits</u>						
	<u>ACGIH-TLV</u>	<u>OSHA-PEL</u>					
CALCIUM CARBONATE	10 mg/m ³ (Inhalable Particles)	15 mg/m ³ (Total Dust)					
ETHYLENE GLYCOL N-BUTYL ETHER	25 ppm	50 ppm					
<u>Personal Protective Equipment</u>							
Respiratory Protection:	Avoid breathing of fumes. If used in a confined area, a respirator may be necessary.						
Ventilation:	Local exhaust. Normal ventilation is adequate.						
Other Protective Equipment:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;"><u>Protective Gloves</u></td> <td style="width: 33%;"><u>Eyes and Face Protection</u></td> <td style="width: 33%;"><u>Other Protective Equipment</u></td> </tr> <tr> <td>May be necessary for sensitive skin.</td> <td>Wear protective goggles where necessary.</td> <td>None.</td> </tr> </table>	<u>Protective Gloves</u>	<u>Eyes and Face Protection</u>	<u>Other Protective Equipment</u>	May be necessary for sensitive skin.	Wear protective goggles where necessary.	None.
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May be necessary for sensitive skin.	Wear protective goggles where necessary.	None.					
Other Precautions:	None.						
<u>Engineering Controls</u>							
None.							

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SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Blue paste Odor: Mild Odor Threshold: N/A pH: N/A Melting/Freezing Point: N/A Boiling Point: 180 °F Boiling Range: N/A Flash Point: 82 °F (28 °C) Evaporation Rate: 0.6 Flammability: 921 °F (494 °C) Flammability Limits: LEL: 1.1% ; UEL: 10.6%	Volatile by Volume: N/A Vapor Pressure: .88 @ 25 °C Vapor Density: >1 Relative Density: N/A Solubility: Slight Partition Coefficient: n-octanol/water: N/A Auto-ignition Temperature: N/A Specific Gravity (H2O=1): 1.41 Viscosity: N/A VOC: 190 g/l
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SECTION 10 - STABILITY AND REACTIVITY

<u>Stability</u>	<u>Hazardous Polymerization</u>	<u>Conditions To Avoid</u>
Stable Unstable	May Occur Will Not Occur	None known.
<input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	
<u>Incompatible Materials</u>		<u>Hazardous Decomposition Products</u>
Liquid oxygen systems, liquid sodium, gaseous fluorine, strong oxidizers.		None.

SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Likely Routes of Exposure</u>	<u>Symptoms/Effects</u>
Inhalation <input checked="" type="checkbox"/>	Possible dizziness if used in confined area.
Skin Contact <input checked="" type="checkbox"/>	May cause mild irritation to sensitive skin.
Eye Contact <input type="checkbox"/>	None.
Ingestion <input checked="" type="checkbox"/>	None.
Long-Term Effects:	None known.
<u>Hazardous Components</u>	<u>Toxicity</u>
CALCIUM CARBONATE	<u>LD50</u> N/A
ETHYLENE GLYCOL N-BUTYL ETHER	<u>LC50</u> N/A

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	None.
Persistence & Degradability:	None.
Bioaccumulative Potential:	None.
Mobility in Soil:	None.
Other Adverse Effects:	None.

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SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. (U.S.) : Not Regulated.

SECTION 15 - REGULATORY INFORMATION

None.

SECTION 16 - OTHER INFORMATION

Disclaimer:

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 Manufacturing 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.

Revision Date:

JULY 2010