



BLACK SWAN MFG. CO.



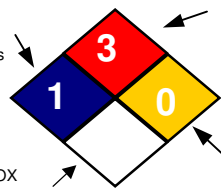
MATERIAL SAFETY DATA SHEET



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;">No-Hub Sealant</p>	Recommended Use: A sealant specifically designed as a coating for cast iron pipe to improve leak-free sealing of no-hub couplings.

SECTION 2 - HAZARD(S) IDENTIFICATION

<p>Label</p>  <p>Flammable</p>  <p>Harmful</p>	<p style="text-align: center;">NFPA</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="365 808 511 934"> <p>HEALTH HAZARD</p> <p>4 Deadly 3 Extreme Danger 2 Hazardous 1 Slightly Hazardous 0 Normal Material</p> </div> <div data-bbox="511 850 730 1039">  </div> <div data-bbox="730 808 1055 955"> <p>FIRE HAZARD Flash Points</p> <p>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</p> </div> </div> <div data-bbox="365 997 511 1081"> <p>SPECIFIC HAZARD</p> <p>Oxidizer OX Use NO WATER W Simple Asphyxiant SA</p> </div> <div data-bbox="730 976 966 1102"> <p>INSTABILITY</p> <p>4 May detonate 3 Shock and heat may detonate 2 Violent chemical changes 1 Unstable if heated 0 Stable</p> </div>	<p style="text-align: center;">HMIS</p> <table border="1" style="width: 100%;"> <tr> <td style="background-color: #000080; color: white;">HEALTH</td> <td style="text-align: center; font-weight: bold;">1</td> <td rowspan="3" style="vertical-align: top;"> 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;">FLAMMABILITY</td> <td style="text-align: center; font-weight: bold;">3</td> </tr> <tr> <td style="background-color: #FFD700; color: black;">REACTIVITY</td> <td style="text-align: center; font-weight: bold;">0</td> </tr> </table> <p style="text-align: center; margin-top: 10px;"> PPE B </p>	HEALTH	1	0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard 3 Serious Hazard 4 Severe Hazard	FLAMMABILITY	3	REACTIVITY	0
HEALTH	1	0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard 3 Serious Hazard 4 Severe Hazard							
FLAMMABILITY	3								
REACTIVITY	0								

<p style="text-align: center;">Health</p> <p>Acute Toxicity: N/A Skin Corrosion: N/A Eye Irritation: N/A Skin Sensitization: NO</p>	<p style="text-align: center;">Environmental</p> <p>Acute Toxicity: N/A Chronic Toxicity: N/A</p>	<p style="text-align: center;">Physical</p> <p>Flammability: N/A Other: N/A</p>
--	--	--

<p style="text-align: center;">Hazardous Statement</p> <p>Warning! Can be Harmful or Fatal. Warning! Flammable. Harmful if inhaled or swallowed. Vapors Harmful. Vapors may cause flash fire. May affect the brain or nervous system. Injurious to eyes. Causes nose, throat, eyes and skin irritation.</p>	<p style="text-align: center;">Precautionary Statement</p> <p>Do not smoke. Keep away from heat, sparks, open flame and other sources of ignition. Keep out of reach of children. Do not allow to be taken internally. Do not reuse container. Wash hands after every use.</p>
--	---

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Chemicals</u>	<u>CAS #</u>	<u>EINECS#</u>	<u>Approx %</u>
ETHYL ALCOHOL	64-17-5	200-578-6	25-30%
METHYL ALCOHOL	67-56-1	200-659-6	1-2%
ETHYL ACETATE	141-78-6	205-500-4	<1%
ACETONE	67-64-1	200-662-2	35-45%

*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.

MATERIAL SAFETY DATA SHEET

SECTION 4 - FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing stops, begin artificial respiration.
Skin: Wash thoroughly with soap and water.
Eyes: Flush eyes with large amounts of water for 15 minutes. Consult physician.
Ingestion: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE-FIGHTING MEASURES

<u>Extinguishing Media</u>		<u>Specific Hazards</u>	<u>Protective Equipment</u>
<u>Suitable</u>	<u>Unsuitable</u>		
Foam, Carbon Dioxide or Dry Chemical	-----	Vapors may travel considerable distance to sources of ignition and flash back.	Self-contained breathing apparatus. {(SCBA), MSHA/NIOSH}. Full protective gear.

Special Firefighting Procedures

Evacuate area of unprotected personnel. Use agents appropriate for surrounding fires.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: None.
Protective Equipment: None.
Emergency Procedures: None.
Environmental Precautions: Avoid flushing into sewers, drains, waterways and soil.
Methods for Cleaning-Up: Absorb with suitable inert material. Remove all sources of ignition.
Other Precautions: None.

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.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Hazardous Components</u>	<u>OSHA Exposure Limits</u>	
	<u>ACGIH-TLV</u>	<u>OSHA-PEL</u>
ETHYL ALCOHOL	1000 ppm	1000 ppm
METHYL ALCOHOL	200 ppm	200 ppm
ETHYL ACETATE	400 ppm	400 ppm
ACETONE	500 ppm	1000 ppm

Personal Protective Equipment

Respiratory Protection: If use conditions generate vapors or mists, wear a NIOSH-approved respirator appropriate for those emission levels. Appropriate respirators may be a full facepiece 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.

Ventilation: Mechanical.

Other Protective Equipment:	<u>Protective Gloves</u> Impermeable Gloves	<u>Eyes and Face Protection</u> Safety glasses with side shields or Chemical Goggles	<u>Other Protective Equipment</u> Chemicals resistant coveralls
------------------------------------	--	---	--

Other Precautions: None.

Engineering Controls

Eye wash station and safety showers should be available.

MATERIAL SAFETY DATA SHEET

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Amber Viscous Liquid	Volatile by Volume:	70%
Odor:	Characteristic Solvent Odor	Vapor Pressure:	N/A
Odor Threshold:	N/A	Vapor Density:	>1
pH:	N/A	Relative Density:	N/A
Melting/Freezing Point:	N/A	Solubility:	Insoluble
Boiling Point:	About 170 °F	Partition Coefficient: n-octanol/water:	N/A
Boiling Range:	N/A	Auto-ignition Temperature:	N/A
Flash Point:	65°F (T.C.C.)	Specific Gravity (H2O=1):	Approx - 0.7
Evaporation Rate:	>1	Viscosity:	N/A
Flammability:	N/A	VOC:	250 g/l
Flammability Limits:	LEL: 0.9% ; UEL: 7.0%		

SECTION 10 - STABILITY AND REACTIVITY

Stability	Hazardous Polymerization	Conditions To Avoid
Stable Unstable	May Occur Will Not Occur	Sparks, open flames, hot surfaces and strong oxidizing agents.
<input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Incompatible Materials Strong oxidizing agents, strong acids.		Hazardous Decomposition Products Carbon Monoxide and Carbon Dioxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure	Symptoms/Effects
Inhalation <input checked="" type="checkbox"/>	It is a respiratory tract irritant and anesthetic and causes central nervous system depression (e.g. headache, drowsiness, dizziness, loss of coordination & fatigue.) May cause mild skin irritation. Prolonged or repeated contact may cause redness, burning, and drying and cracking of the skin. May cause mild eye irritation. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing and redness Ingestion of excessive quantities may cause irritation of the digestive tract and signs of nervous system depression.
Skin Contact <input checked="" type="checkbox"/>	
Eye Contact <input checked="" type="checkbox"/>	
Ingestion <input checked="" type="checkbox"/>	

Short-Term Effects: None.

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

Hazardous Components	Toxicity	
	LD50	LC50
ETHYL ALCOHOL	N/A	N/A
METHYL ALCOHOL	N/A	N/A
ETHYL ACETATE	N/A	N/A
ACETONE	N/A	N/A

SECTION 12 - ECOLOGICAL INFORMATION

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

MATERIAL SAFETY DATA SHEET

SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORTATION INFORMATION

This product is hazardous for shipping purposes. However, Black Swan only ships this product in quart containers which qualifies as an exception because the container size is less than one liter. This product can be shipped as Consumer Commodity ORM-D.

SECTION 15 - REGULATORY INFORMATION

Conforms to MIL-S-45180D.

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