



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: INFOTRAC (800) 535-5053 OR (352) 323-3500 24 hours per day - 7 days a week Product Name: Graphite Packing Recommended Use: Graphite coated packing for sealing faucets, pumps, valves, etc., and other places where a washer is required.

SECTION 2 - HAZARD(S) IDENTIFICATION

Labels: Irritant, Harmful. NFPA: HEALTH HAZARD (1), FIRE HAZARD (1), INSTABILITY (0). HMIS: HEALTH (1), FLAMMABILITY (1), REACTIVITY (0), PPE (E). Health: Acute Toxicity: N/A, Skin Corrosion: N/A, Eye Irritant: N/A, Skin Sensitization: Yes. Environmental: Acute Toxicity: N/A, Chronic Toxicity: N/A. Physical: Flammability: N/A, Other: N/A. Hazardous Statement: None. Precautionary Statement: Keep out of reach of children and pets. Do not take internally. Prolonged or repeated breathing of graphite dust can result in pneumoconiosis.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Chemicals: GRAPHITE (NATURAL). CAS #: 7782-42-5. EINECS#: 231-955-3. Approx %: 10-20 %

SECTION 4 - FIRST-AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. Skin: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Eyes: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs. Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband.

MATERIAL SAFETY DATA SHEET

SECTION 5 - FIRE-FIGHTING MEASURES

<p><u>Extinguishing Media</u> <u>Suitable</u> <u>Unsuitable</u> Small Fires: Dry Chemical Large Fires: Water spray, fog or foam Do NOT use water jet.</p>	<p><u>Specific Hazards</u> It will ignite on contact with Chlorine Trifluoride & Fluorine.</p>	<p><u>Protective Equipment</u> NIOSH approved respirator for nuisance dust.</p>
<p><u>Special Firefighting Procedures</u> Graphite dust may ignite on contact with air.</p>		

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions:	None.
Protective Equipment:	None.
Emergency Procedures:	None.
Environmental Precautions:	None.
Methods for Cleaning-Up:	Vacuum or sweep loose particles and/or dust.
Other Precautions:	None.

SECTION 7 - HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breath dust. Keep away from incompatibles such as oxidizing agents.	Keep bag tightly closed. Keep bag in cool, well-ventilated area. Do not store above 73.4°F (23°C).

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Hazardous Components</u>	<u>OSHA Exposure Limits</u>	
GRAPHITE (NATURAL)	<u>ACGIH-TLV</u>	<u>OSHA-PEL</u>
	5m/m3	5m/m3
<u>Personal Protective Equipment</u>		
Respiratory Protection:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limits. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).	
Ventilation:	Local exhaust. Normal ventilation is adequate.	
Other Protective Equipment:	<u>Protective Gloves</u> Rubber Gloves.	<u>Eyes and Face Protection</u> Safety Glasses.
		<u>Other Protective Equipment</u> Dust Respirator.
Other Precautions:	None.	
<u>Engineering Controls</u>		
Eyewash station; showers;exhaust ventilation.		

MATERIAL SAFETY DATA SHEET

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Black Odor: Odorless Odor Threshold: N/A pH: N/A Melting/Freezing Point: 6602 °F (3650 °C) Boiling Point: N/A Boiling Range: N/A Flash Point: N/A Evaporation Rate: N/A Flammability: N/A Flammability Limits: LEL: N/A ; UEL: N/A	Volatile by Volume: N/A Vapor Pressure: N/A Vapor Density: N/A Relative Density: N/A Solubility: Insoluble in cold water Partition Coefficient: n-octanol/water: N/A Auto-ignition Temperature: N/A Specific Gravity (H2O=1): 0.3 - 1.8 Viscosity: N/A VOC: 0 g/l
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SECTION 10 - STABILITY AND REACTIVITY

<u>Stability</u> Stable Unstable <input checked="" type="checkbox"/> <input type="checkbox"/>	<u>Hazardous Polymerization</u> May Occur Will Not Occur <input type="checkbox"/> <input checked="" type="checkbox"/>	<u>Conditions To Avoid</u> Reacts vigorously with liquid potassium and potassium. If graphite contacts liquid potassium, rubidium or caesium at 300 °C, intercalation compounds may be formed.
<u>Incompatible Materials</u> None known.	<u>Hazardous Decomposition Products</u> Carbon Dioxide (CO ₂); Carbon Monoxide; Acetic acid; Silicone Dioxide; Formaldehyde.	

SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Likely Routes of Exposure</u> Inhalation <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Eye Contact <input type="checkbox"/> Ingestion <input checked="" type="checkbox"/>	<u>Symptoms/Effects</u> May be harmful if inhaled. Dust causes respiratory tract and mucous membrane irritation. None. None. May be harmful if swallowed. May cause gastrointestinal tract irritation with nausea and vomiting.	
Long-Term Effects:	Inhalation of high concentrations of graphite dust over prolonged periods of time may cause pneumonconiosis.	
<u>Hazardous Components</u> GRAPHITE (NATURAL)	<u>Toxicity</u> <u>LD50</u> N/A	<u>LC50</u> N/A

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	None.
Persistence & Degradability:	Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise.
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

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