



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;">Power Crystals</p>	Recommended Use: <p style="text-align: center;">For cleaning clogged or sluggish drains.</p>

SECTION 2 - HAZARD(S) IDENTIFICATION

<p style="text-align: center;">Label</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> Corrosive </div> <div style="text-align: center;"> Poison </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> Danger </div> <div style="text-align: center;"> Irritant </div> </div>	<p style="text-align: center;">NFPA</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>HEALTH HAZARD</p> <p>4 Deadly 3 Extreme Danger 2 Hazardous 1 Slightly Hazardous 0 Normal Material</p> </div> <div style="width: 45%;"> <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 style="text-align: center; margin: 10px 0;"> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SPECIFIC HAZARD</p> <p>Oxidizer OX Use NO WATER W Simple Asphyxiant SA</p> </div> <div style="width: 45%;"> <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> </div>	<p style="text-align: center;">HMIS</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>HEALTH 3</p> <p>FLAMMABILITY 0</p> <p>REACTIVITY 1</p> <p>PPE G</p> </div> <div style="width: 35%;"> <p>0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard 3 Serious Hazard 4 Severe Hazard</p> </div> </div>
<p style="text-align: center;">Health</p> <p>Acute Toxicity: N/A Skin Corrosion: Cat. 2 Eye Irritation: Cat. 2A 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>Poison! May be fatal or cause permanent damage if swallowed. Causes severe burns on contact. Contains Sodium Hydroxide, Sodium Nitrate and Aluminum Alloy. May cause blindness.</p>		<p style="text-align: center;">Precautionary Statement</p> <p>Avoid contact with skin and eyes. Keep out of reach of children. Do not allow to be taken internally. Use only in a well ventilated are. Avoid breathing vapors.</p>

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Chemicals</u>	<u>CAS #</u>	<u>EINECS#</u>	<u>Approx %</u>
SODIUM HYDROXIDE	1310-72-2	215-185-5	50-60%
SODIUM NITRATE	7632-00-0	231-555-9	15-30%
ALUMINUM GRANULES	7429-90-5	231-072-3	1-5%

*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: Call a physician or poison control center immediately. Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Skin: Wash off immediately with soap and plenty of water, remove all contaminated clothes and shoes. Consult a physician.

Eyes: Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

Ingestion: Call a physician immediately. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Note to physician: Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

SECTION 5 - FIRE-FIGHTING MEASURES

<u>Extinguishing Media</u>		<u>Specific Hazards</u>	<u>Protective Equipment</u>
<u>Suitable</u>	<u>Unsuitable</u>		
As appropriate.	-----	Causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. Substance with react with water (some violently), releasing corrosive and/or toxic gases.	Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.
<u>Special Firefighting Procedures</u>			
In the event of fire and/or explosion do not breath fumes.			

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Avoid dust formation.

Protective Equipment: None.

Emergency Procedures: None.

Environmental Precautions: Prevent material from entering waterway.

Methods for Cleaning-Up: Prevent further leakage or spillage if safe to do so. Prevent dust cloud. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically and collect in suitable container for disposal. Avoid dust formation. Clean contaminated surfaces thoroughly.

Other Precautions: Do not get water inside containers. Refer to protective measures listed in Sec. 7 and 8.

SECTION 7 - HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Wear personal protective equipment. Ensure adequate ventilation . Avoid contact with skin, eyes and clothing. Do not breath vapors/dust. Remove and wash contaminated clothing before re-use.	Keep containers tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep out of reach of children.

MATERIAL SAFETY DATA SHEET

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation

Skin Contact

Eye Contact

Ingestion

Symptoms/Effects

Harmful by inhalation. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Aspiration into lungs can produce severe lung damage.

Causes burns.

Causes burns. Corrosive to the eyes and may cause severe damage including blindness.

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract. Can burn mouth, throat, and stomach.

Long-Term Effects: N/A

Medical conditions aggravated by exposure: None.

Hazardous Components

SODIUM HYDROXIDE
SODIUM NITRATE
ALUMINUM GRANULES

Toxicity

LD₅₀

Oral : 140 mg/kg (rat) ; Dermal : 1,350 mg/kg (rabbit)
N/A
N/A

LC₅₀

N/A
N/A
N/A

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: None.

Persistence & Degradability: None.

Bioaccumulative Potential: None.

Mobility in Soil: None.

Other Adverse Effects: Possible risks of irreversible effects.

SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORTATION INFORMATION

Shipping Information

Shipping Name: Sodium Hydroxide Solid

Hazardous Class: 8

I.D. Number: UN1823

Packing Group: II

Label Required: Corrosive

Marine Pollutant: No

Exception to the rule: If the package that contains the hazardous material is in a small consumer size (Less than 1L) then the rules that apply to shipping hazardous materials do not apply. This is called an "Exception". This is classified as Consumer Commodity ORM-D.

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