



## Power Crystals

### Material Safety Data Sheet

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 sheet.

SECTION I - GENERAL INFORMATION				
Black Swan Manufacturing Co. 4540 W. Thomas Street Chicago, IL 60651-3318 Telephone No: 1-773-227-3700 Fax No: 1-773-227-3705		For chemical emergencies during transportation only call  INFOTRAC <b>1-800-535-5053</b> 24 hours per day - 7 days a week		
<b>Date Prepared</b> 01/01/08		<b>Trade Name</b> Power Crystals		
SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION				
HAZARDOUS COMPONENTS	CAS#	APPROX%	ACGIH-TLV	OSHA-PEL
SODIUM HYDROXIDE	1310-73-2	50-60	2 MG/M3	2 MG/M3
SODIUM NITRATE	7632-00-0	15-30	N/E	N/A
*Title III Section 313 Supplier Notification: this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency planning and community Right-to-Know Act of 1966 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.				
SHIPPING INFORMATION		SPECIAL HAZARD DESIGNATIONS		
<b><u>1 LB. CONTAINER</u></b>  CONSUMER COMMODITY ORM-D		<b>HMIS</b>	<b>HAZARD RATING</b>	
		HEALTH	1	0 - MINIMAL
		FLAMMABILITY	0	1- SLIGHT
		REACTIVITY	0	2- MODERATE
		PROTECTIVE		3- SERIOUS
		EQUIPMENT	B	4- SEVERE

**ABOVE 1 LB. SIZE**

SHIPPING NAME	SODIUM HYDROXIDE, SOLID
HAZARD CLASS	8
I.D. NO.	UN1823
PACKING GROUP	II
FREIGHT CLASS	55
LABEL REQUIRED	CORROSIVE

**SECTION III - PHYSICAL DATA**

<b>APPEARANCE</b> WHITE CRYSTALS WITH GRAY-METAL GRANULES.	<b>ODOR</b> NO ODOR	<b>BOILING POINT</b> 1390° F
<b>SPECIFIC GRAVITY (H2O=1)</b> 2.1	<b>VAPOR PRESSURE (mm Hg.)</b> N/A	<b>VOLATILE BY VOLUME (%)</b> N/A
<b>VAPOR DENSITY (AIR=1)</b> N/A	<b>EVAPORATION RATE (BUAC=1)</b> N/A	<b>SOLUBILITY IN WATER</b> SOLUBLE

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

<b>FLASH POINT ( METHOD USED)</b>	<b>FLAMMABLE LIMITS</b>	<b>LEL</b>	<b>UEL</b>
N/A	(PERCENT BY VOLUME)	N/A	N/A

**FIRE EXTINGUISHING MEDIA**  
NON-COMBUSTIBLE. CHOOSE EXTINGUISHING MEDIA FOR SURROUNDING MATERIALS.

**SPECIAL FIRE FIGHTING PROCEDURES**  
WEAR FULL PROTECTIVE CLOTHING. AVOID DIRECT CONTACT OF THIS PRODUCT WITH WATER AS THIS CAN CAUSE VIOLENT EXOTHERMIC REACTION.

**UNUSUAL FIRE AND EXPLOSION HAZARD**  
DIRECT CONTACT WITH WATER CAN CAUSE VIOLENT EXOTHERMIC REACTION.

**SECTION V - HEALTH HAZARD DATA**

PRIMARY ROUTES OR ENTRY  Inhalation  Skin contact  Eye contact  Ingestion

**EFFECT OF OVEREXPOSURE**

INHALATION: DAMAGE TO RESPIRATORY TRACT.

SKIN: SEVERE BURNS.

EYES: SEVERE BURNS.

INGESTION: SEVERE BURNS.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

NONE.

**EMERGENCY AND FIRST AID PROCEDURES**

SKIN: FLUSH THOROUGHLY WITH WATER.

EYES: FLUSH WITH WATER FOR 15 MIN. AND CALL A PHYSICIAN.

INGESTION: DRINK WATER, INDUCE VOMITING AND CALL A PHYSICIAN.

**SECTION VI - REACTIVITY**

STABILITY	UNSTABLE		<b>CONDITIONS TO AVOID</b>
	STABLE	X	NONE

**INCOMPATIBILITY (MATERIALS TO AVOID)**

ALUMINUM, TIN, LEAD, ZINC, AND THEIR ALLOYS AND ALL ACIDS.

**HAZARDOUS DECOMPOSITION PRODUCTS**

REACTION WITH VARIOUS FOOD SUGARS MAY FORM CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION	MAY OCCUR		<b>CONDITIONS TO AVOID</b>
	WILL NOT OCCUR	X	NONE

**SECTION VII - SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

GET COMPLETE PROTECTIVE EQUIPMENT, SHOVEL SPILLED MATERIAL INTO STEEL CONTAINERS, FLUSH WITH AMPLE WATER, RINSE WITH DILUTE ACID, PREFERABLY ACETIC ACID AND FINALLY WITH WATER.

**WASTE DISPOSAL METHOD**

DISSOLVE AND/OR FLUSH TO HOLDING AREA FOR PH ADJUSTMENT AND DILUTE FOR DISCHARGING TO SEWER/STREAM. LARGE QUANTITY: FOLLOW FEDERAL, STATE, LOCAL REGULATIONS.

<b>SECTION VIII - SPECIAL PROTECTION INFORMATION</b>	
<b>RESPIRATORY PROTECTION (Specify type)</b> NONE NORMALLY. IF LARGE QUANTITIES AND DUST PROBLEM EXIST USE DUST RESPIRATOR.	
<b>VENTILATION</b> LOCAL EXHAUST - AS REQUIRED TO CONTROL DUST OR MIST.	
<b>PROTECTIVE GLOVES</b> RUBBER, NEOPRENE, OR VYNIL GLOVES.	<b>EYE PROTECTION</b> CHEMICAL SAFETY GOGGLES PLUS FACE SHIELD.
<b>OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES</b> N/A	
<b>SECTION IX - SPECIAL PRECAUTIONS</b>	
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING</b> STORE IN A COOL, DRY PLACE. KEEP SEPARATE FROM ACIDS, METAL EXPLOSIVES, ORGANIC PEROXIDES AND EASILY IGNITABLE MATERIALS.	
<b>OTHER PRECAUTIONS</b> WEAR COMPLETE PROTECTIVE EQUIPMENT IN HANDLING THE PRODUCT IN LARGE QUANTITIES.	
<b>This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.</b>	

---

**Black Swan Mfg. Co.** Telephone:773-227-3700 E-mail: [info@blackswanmfg.com](mailto:info@blackswanmfg.com)  
4540 W. Thomas Street Wats:800-252-5796 Web site:<http://www.blackswanmfg.com>  
Chicago, IL 60651-3318 Fax:773-227-3705