

# MATERIAL SAFETY DATA SHEET

IDENTITY: INDICATING DRIERITE  
DESCRIPTION: 1/8" TO 1/4 GRANULES

DATE PREPARED: 01-15-2004

## SECTION I

MANUFACTURERS NAME : W.A. HAMMOND DRIERITE CO., LTD.  
ADDRESS: P.O. BOX 460, 138 DAYTON AVE., XENIA, OHIO 45385  
EMERGENCY PHONE NUMBER: 937-376-2927 [www.drierite.com](http://www.drierite.com)  
INFORMATION PHONE NUMBER: 937-376-2927

## SECTION II INGREDIENTS

CHEMICAL IDENTITY	%	OSHA PEL	ACGIH TLV	UNITS	C.A.S.#	TSCA#
CALCIUM SULFATE,	97	15	10	mg/M3	7778-18-9	A739-8876
COBALT CHLORIDE	3	0.05*	0.05*	mg/M3	7646-79-9	A451-6434

\*(AS COBALT METAL)

## HAZARDOUS MATERIAL IDENTIFICATION SYSTEMS (HMIS)

HEALTH	FLAMMABILITY	REACTIVITY	PROTECTIVE EQUIPMENT
1	0	1	E

## SECTION III

### PHYSICAL/CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY: (H20-1) : 1.87  
SOLUBILITY IN WATER: 0.25 GRAMS PER LITER  
MELTING POINT: 1450 C DECOMPOSES  
APPEARANCE: BLUE GRANULES; NO ODOR

## SECTION IV

### FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONE  
EXTINGUISHER MEDIA: NOT COMBUSTABLE  
SPECIAL FIRE FIGHTING PROCEDURES: NONE  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

## SECTION V

### REACTIVITY DATA

STABILITY: STABLE  
INCOMPATIBLE (MATERIALS TO AVOID): STRONG ACIDS  
HAZARDOUS DECOMPOSITION BYPRODUCTS: SO<sub>3</sub> @ 1450 C Cl<sub>2</sub> @318 C  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

## SECTION VI

### HEALTH HAZARD DATA

EYES: PARTICLES MAY CAUSE IRRITATION  
SKIN: THIS MATERIAL IS NOT TOXIC. MAY DRY OR IRRITATE SKIN  
INHALATION: MAY CAUSE AN IRRITATION OR RESPIRATORY ORGANS OF SENSITIVE PERSONS RESULTING IN THE OBSTRUCTION OF AIRWAYS WITH SHORTNESS OF BREATH.  
INGESTION: MAY CAUSE VOMITING, DIARRHEA, AND SENSATION OF WARMTH.  
SIGNS AND SYMPTOMS OF OVER EXPOSURE: EYES, NOSE, THROAT, OR RESPIRATORY IRRITATION

### CARCINOGENICITY OF INGREDIENTS:

MATERIAL	IARC	NTP	OSHA
ALL	NOT LISTED	NOT LISTED	NOT LISTED
COBALT CHLORIDE	YES*	NO	NO

\*IARC has stated that there is sufficient evidence for the carcinogenicity of Cobalt metal powder in experimental animals. On the basis of animal evidence from experiments not regarded as relevant to human exposure, IARC has classified Cobalt as 2B, possible carcinogen for humans. ACGIH has given Cobalt a rating of A3, animal carcinogen. They state that available epidemiologic studies do not confirm an increased risk of cancer in exposed humans.

Page 1 of 2

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

PRE-EXISTING UPPER RESPIRATORY AND LUNG DISEASE SUCH AS, BUT NOT LIMITED TO BRONCHITIS, EMPHYSEMA & ASTHMA

### EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH WITH WATER. IF IRRITATION CONTINUES OBTAIN MEDICAL

ATTENTION

**DUST INHALATION:** REMOVE TO FRESH AIR

**SKIN:** WASH WITH WATER

**INGESTION:** IF PATIENT IS CONSCIOUS, INDUCE VOMITING. OBTAIN MEDICAL ATTENTION

## **SECTION VII**

### **SPILL OR LEAKAGE PROCEDURES**

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

SWEEP OR VACUUM MATERIAL INTO APPROPRIATE WASTE CONTAINER FOR DISPOSAL. AVOID DUSTING CONDITIONS

**WASTE DISPOSAL METHOD:** THIS MATERIAL CAN BE DISPOSED OF IN ACCORDANCE WITH PROCEDURES ACCEPTABLE UNDER FEDERAL, STATE, AND LOCAL REGULATIONS.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** KEEP CONTAINER CLOSED. STORE IN COOL DRY PLACE. AVOID GENERATING DUST.

## **SECTION VIII**

### **CONTROL MEASURES**

**RESPIRATORY PROTECTION:** MASK NIOSH/OSHA APPROVED FOR DUST

**VENTILATION:** TO MEET TLV REQUIREMENTS

**EYES:** SAFETY GLASSES OR GOGGLES

**OTHER PROTECTIVE EQUIPMENT:** GLOVES OR PROTECTIVE CLOTHING NOT USUALLY NECESSARY BUT MAY BE DESIRABLE IN SPECIFIC WORK SITUATIONS.

## **SECTION IX**

### **REFERENCES**

U.S. DEPARTMENT OF LABOR - OSHA FORM APPROVED OMB NO. 1218-0072 OSHA HAZARD COMMUNICATION STANDARD-29 CFR 1910. 1200 U.S. GYPSUM CO. & SHEPARD CHEMICAL

ALTHOUGH THE INFORMATION AND RECOMMENDATION SET FORTH HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE CORRECT AS OF THE DATE HEREOF, THE W.A. HAMMOND DRIERITE CO.,LTD. MAKES NO REPRESENTATION AS TO THE COMPLETENESS OR ACCURACY THEREOF. INFORMATION IS SUPPLIED UPON THE CONDITION THAT THE PERSON RECEIVING IT WILL MAKE THEIR OWN DETERMINATION AS TO ITS SUITABILITY FOR THEIR PURPOSE PRIOR TO USE. IN NO EVENT WILL THE W.A. HAMMOND DRIERITE CO., LTD. BE RESPONSIBLE FOR DAMAGES OF ANY NATURE WHATSOEVER RESULTING FROM THE USE OF OR RELIANCE UPON INFORMATION HEREIN SUPPLIED. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OF OR ANY OTHER NATURE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.