

W.A. HAMMOND DRIERITE COMPANY MANUFACTURERS  
DRIERITE, "THE VERSATILE DESICCANT"  
CONSULTING AND ENGINEERING SERVICE DRYING SOLIDS, LIQUIDS, GASES  
MATERIAL SAFETY DATA SHEET  
IDENTITY: INDICATING DRIERITE CONTENTS: CALCIUM SULFATE 97%, COBALT CHLORIDE 3%  
SECTION I

MANUFACTURER'S NAME: W.A. HAMMOND DRIERITE COMPANY  
ADDRESS: 138 DAYTON AVENUE, P.O. BOX 460, XENIA, OHIO 45385  
EMERGENCY TELEPHONE: CHEMTREC 1-800-424-9300  
TELEPHONE NUMBER FOR INFORMATION: 1-513-376-2927  
DATE PREPARED : 5-9-86 REVIEWED : 7/12/89

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (CHEMICAL IDENTITY)	COMMON NAME	OSHA PEL (MG/M3)	ACGIH TLV (MG/M3)	C.A.S. NO.	%
COBALTOUS CHLORIDE (AS COBALT)	COBALT CHLORIDE	0.1	0.05*	1332-82-7	3

\* RECOMMENDED

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	: N/A	SPECIFIC GRAVITY (H2O=1)	: 1.87
VAPOR PRESSURE (MMHG)	: N/A	MELTING POINT	: N/A
VAPOR DENSITY (AIR=1)	: N/A	EVAPORATION RATE	
SOLUBILITY IN WATER	: 0.3 G/100ML	(BUTYL ACETATE=1)	: N/A
APPEARANCE AND ODOR	: BLUE GRANULES, NO ODOR		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD)	: N/A	FLAMMABLE LIMITE: LEL	N/A	UEL	N/A
EXTINGUISHING MEDIA	: WATER				
SPECIAL FIREFIGHTING PROCEDURES	: N/A				
UNUSUAL FIRE AND EXPLOSION HAZARDS	: N/A				

SECTION V - REACTIVITY DATA

STABILITY	: STABLE; CONDITIONS TO AVOID: N/A
INCOMPATIBILITY (MATERIALS TO AVOID)	: STRONG OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS	: THERMAL DECOMPOSITION MAY PRODUCE CHLORINE.
HAZARDOUS POLYMERIZATION	: WILL NOT OCCUR
CONDITIONS TO AVOID	: N/A

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION !X! SKIN ! ! INGESTION ! !  
CARCINOGENICITY: NTP: NO; IARC MONOGRAPHS: NO; OSHA REGULATED: NO  
HEALTH HAZARDS (ACUTE & CHRONIC) / SIGNS AND SYMPTOMS OF EXPOSURE:  
THIS PRODUCT CONTAINS 3% COBALT CHLORIDE WHICH CAUSES EYE IRRITATION AND  
MAY CAUSE SKIN AND UPPER RESPIRATORY TRACT IRRITATION. OVEREXPOSURE TO  
COBALT COMPOUNDS MAY CAUSE NOSE AND THROAT IRRITATION AND AN ALLERGIC SKIN  
RASH. THEY ARE MILDLY IRRITATING TO THE EYES AND IF INGESTED, MAY CAUSE  
VOMITING, DIARRHEA AND A SENSATION OF HOTNESS. EXCESSIVE INHALATION AND/OR  
INGESTION OF COBALT SALTS MAY AFFECT THE KIDNEYS, LUNGS, AND THYROID.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:  
RESPIRATORY SYSTEM CONDITIONS AND SKIN DISEASES.

EMERGENCY AND FIRST AID PROCEDURES:  
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRA  
TION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN.  
CALL A PHYSICIAN. IF SWALLOWED, GIVE TWO GLASSES OF WATER AND INDUCE  
VOMITING IMMEDIATELY. CALL A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN  
UNCONSCIOUS PERSON. IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY  
OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
VENTILATE AREA OF SPILL. COLLECT MATERIAL INTO APPROPRIATE CONTAINERS FOR  
REUSE OR DISPOSAL. MATERIAL MAY ALSO BE FLUSHED WITH WATER TO A WASTEWATER  
TREATMENT SYSTEM.

WASTE DISPOSAL METHOD:  
DISPOSE IN CLOSED CONTAINERS, AT AN APPROVED LANDFILL, IN ACCORDANCE WITH  
LOCAL, STATE AND FEDERAL REGULATIONS. MATERIAL MAY ALSO BE FLUSHED WITH  
WATER TO A WASTEWATER TREATMENT SYSTEM.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:  
KEEP IN CLOSED CONTAINERS. AVOID GENERATING DUST.

OTHER PRECAUTIONS:  
AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING DUST. WASH

THOROUGHLY AFTER HANDLING.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH/OSHA APPROVED FOR DUST.  
VENTILATION : SUFFICIENT TO MAINTAIN OSHA PEL.  
PROTECTIVE GLOVES : IMPERVIOUS  
EYE PROTECTION : SIDE SHIELD SAFETY GLASSES OR GOGGLES.  
OTHER PROTECTIVE CLOTHING & EQUIPMENT: SAFETY SHOWERS AND EYEWASHES.  
WORK/HYGIENIC PRACTICES: GOOD HOUSEKEEPING PROCEDURES SHOULD BE FOLLOWED TO  
MINIMIZE DUST.

SECTION IX - REFERENCES

SHEPHERD CHEMICAL COMPANY - MSDS FOR COBALT CHLORIDE  
HALL CHEMICAL COMPANY - MSDS FOR COBALT CHLORIDE  
U.S. DEPARTMENT OF LABOR - OSHA FORM APPROVED OMB NO. 1218-0072  
OSHA HAZARD COMMUNICATION STANDARD - 29 CFR 1910.1200

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