MATERIAL SAFETY DATA SHEET

IDENTITY: INDICATING DRIERITE

DATE PREPARED: 01-15-2004

DESCRIPTION: 1/8" TO 1/4 GRANULES

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

INFORMATION PHONE NUMBER: 937-376-2927

SECTION II INGREDIENTS

CHEMICAL IDENTITY % OSHA PEL ACGIH TLV UNITS C.A.S.# TSCA# 97 7778-18-9 A739-8876 CALCIUM SULFATE. 15 10 mg//M30.05* 0.05*COBALT CHLORIDE 3 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: SO3 @ 1450 C Cl2 @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 AIR WAYS 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
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.

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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

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