

W.A. Hammond Drierite Co., LTD

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name : Drierite, Indicating
Product Stock Numbers : 21001, 21005, 21025, 22001, 22005, 22025, 23001, 23005, 23025, 24001, 24005, 24025, 24035, 26800, 26840, 26930, 27068, 27069, 27070, 40207, 40451, 50068
Manufacturer : W.A. Hammond Drierite Co., LTD.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses : Desiccant or Drying Agent

1.3 Details of the supplier of the safety data sheet

Company : W.A. Hammond Drierite Co., LTD.
P.O. Box 460
Xenia, OH 45385
U.S.A.
Telephone : 937-376-2927
Website : www.drierite.com

1.4 Emergency telephone number

Emergency Phone# : 937-376-2927

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Eye Irritation (Category 2A), H319
Respiratory Sensitization (Category 1), H334
Skin Sensitization (Category 1), H317
Germ Cell Mutagenicity (Category 2), H341
Carcinogenicity (Category 2), H351
Reproductive Toxicity (Category 1B), H360
Acute Aquatic Toxicity (Category 2), H401
Chronic Aquatic Toxicity (Category 3), H412

For the full text of the H-Statements mentioned in this section, see Section 16.

2.2 GHS Label elements, including precautionary statements



Pictogram : Danger
Signal Word : Danger

Hazard Statement(s)
H317 : May cause an allergic skin reaction.

2.2 Continued

H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H360 May damage fertility or the unborn child.
H401 Toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust, fumes, gas, mist, vapors, or fumes.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection/face protection
P285 In case of inadequate ventilation wear respiratory protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Remove contacts, rinse cautiously with water for several minutes.
P308 + P313 If exposed or concerned: Seek medical advice.
P333 + P313 If skin irritation persists: Seek medical attention.
P337 + P313 If eye irritation persists: Seek medical attention.
P363 Wash contaminated clothing before reuse.
P405 Store in a secure location.
P501 Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Indicating Drierite Contents : CaSO4 ≥98% + CoCl2 <2%

Non Hazardous Components		
Component	Classification	Concentration
Calcium Sulfate		
CAS-No. 7778-18-9		≥98%
EC-No. 231-900-3		

3.1 Continued

Hazardous Components		Classification	Concentration
Component	Cobalt Dichloride CAS-No. 7646-79-9 EC-No. 231-589-4 Index-No. 027-004-00-5	Acute Tox. 4; Eye Dam. 1; Resp. Sens. 1; Skin Sens. 1; Muta. 2; Carc. 1B; Repr. 1B; Aquatic Acute 1; Aquatic Chronic 1; H302, H317, H318, H334, H341, H350, H360, H410	<2%

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice

Move out of dangerous area. Consult a physician.

Inhalation

Move person into fresh air. Seek medical advice.

Skin Contact

Wash off with soap and water. If irritation develops consult a physician.

Eye Contact

Rinse thoroughly with water for at least 15 minutes. If irritation develops consult a physician.

Ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

4.2

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3

Indication of any immediate medical attention and special treatment needed

No data available

5.

5.1 FIREFIGHTING MEASURES

Suitable Extinguishing Media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

5.2

Special hazards arising from the substance or mixture

Sulfur Oxides, Hydrogen Chloride Gas, Cobalt/Cobalt Oxides, Calcium Oxide

5.3

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4

Further Information

No data available

6.

6.1 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. For personal protection see section 8.

- 6.2 Environmental precautions**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
- 6.3 Methods and materials for containment and cleaning up**
Remove without creating dust. Keep in suitable containers for disposal.
- 6.4 Reference to other sections**
For disposal see section 13.
- 7. HANDLING AND STORAGE**
- 7.1 Precautions for safe handling**
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.
- 7.2 Conditions for safe storage, including any incompatibilities**
Moisture sensitive. Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Non-combustible, acute toxic Cat. 3/Toxic Hazardous materials or hazardous materials causing chronic effects.
- 7.3 Specific end use(s)**
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Components with workplace control parameters			
Component	CAS-No.	Value	Control Parameters Basis
Calcium Sulfate	7778-18-9	TWA 15.000000 mg/m ³	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
		TWA 5.000000 mg/m ³	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
		TWA 10.000000 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
Remarks		Nasal Symptoms	
		TWA 5.000000 mg/m ³	USA. NIOSH Recommended Exposure Limits
		Gypsum is the dihydrate form & Plaster of Paris is the hemihydrate form.	
		TWA 10.000000 mg/m ³	USA. NIOSH Recommended Exposure Limits
		Gypsum is the dihydrate form & Plaster of Paris is the hemihydrate form.	
		TWA 10.000000 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
Remarks		Nasal Symptoms	
Cobalt Dichloride	7646-79-9	TWA 0.020000 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
		Pulmonary Function Asthma Myocardial Effects	
		Substances for which there is a Biological Exposure Index or Indices (See BHI® section)	
		Confirmed animal carcinogen with unknown relevance to humans	

Section 15 Continued
Pennsylvania Right to Know Components

Calcium Sulfate CAS-No. 7778-18-9 Revision Date: 1994-04-01

New Jersey Right to Know Components

Calcium Sulfate CAS-No. 7778-18-9 Revision Date: 1994-04-01

California Prop. 65 Components
This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

U.S. Federal TSCA
CAS# 7646-79-9 is listed on the TSCA Inventory.
CAS# 7778-18-9 is listed on the TSCA Inventory.

WHMIS Rating
Hazard Class D:2A Very Toxic Material
Pictogram 

16. OTHER INFORMATION
Full text of H-Statements referred to under sections 2 and 3.

H319 Causes serious eye irritation.

HMIS Rating
Health Hazard: 2
Chronic Health Hazard: *
Flammability: 0
Physical Hazard: 0

NFPA Rating
Health Hazard: 2
Fire Hazard: 0
Reactivity Hazard: 0

Further Information
Copyright 2019 W.A. Hammond Drierite Co., LTD. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. W.A. Hammond Drierite Co., LTD. and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.drierite.com.

Preparation Information:
W.A. Hammond Drierite Co., LTD. P.O. Box 460 Xenia, OH 45385 Revised 03-22-2019

13. DISPOSABLE CONSIDERATIONS 13.1 Waste Treatment Methods

Product

These disposal guidelines are intended for the disposal of catalog size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state, and federal regulations or contract with a licensed chemical disposal agency.

Contaminated Packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not Dangerous Goods

IMDG

UN number: 3077 Class: 9 Packing Group: III EMS-No: F-A, S-F
 Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 (Cobalt dichloride) Marine Pollutant: Yes Product falls under IMDG Code 3.3, Special Provision 969 which allows product to be shipped "not restricted". **See further information***

IATA

UN number: 3077 Class: 9 Packing Group: III EMS-No: F-A, S-F
 Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 (Cobalt dichloride) Marine Pollutant: Yes Product falls under Special Provision A 197 which allows product to be shipped "not restricted". **See further information**

Further Information

**Special Provision A197 is a special provision assigned to environmentally hazardous substances, UN 3077 and UN 3082 that allows these substances to be shipped as "not restricted" provided that the net quantity in any receptacle does not exceed 5 kg per package and the packaging used meets defined standards.

***IMDG Code 3.3, Special Provision 969 is a special provision assigned to environmentally hazardous substances, UN 3077 and UN 3082 that allows these substances to be shipped as "not restricted" provided that the net quantity in any receptacle does not exceed 5 kg per package and the packaging used meets defined standards.

15. REGULATORY INFORMATION

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: The following components are subject to reporting levels established by SARA Title III, Section 313:

Cobalt Dichloride CAS No. 7646-79-9 Revision Date: 2009-07-17

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right to Know Components

Calcium Sulfate CAS No. 7778-18-9 Revision Date: 1994-04-01

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/Face Protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection and approved under appropriate government standards such as NIOSH (US) or EN (EU).

Skin Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Protective work clothing.

Respiratory Protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES 9.1 Information on Basic Physical and Chemical Properties

A) Appearance	Form: Granular Color: Blue/Pink
B) Odor	No Data Available
C) Odor Threshold	No Data Available
D) pH	No Data Available
E) Melting Point/Freezing Point	No Data Available
F) Initial Boiling Point and Boiling Range	No Data Available
G) Flash Point	No Data Available
H) Evaporation Rate	No Data Available
I) Flammability (Solid, Gas)	No Data Available
J) Upper/Lower Flammability or Explosive Limits	No Data Available
K) Vapor Pressure	Not Applicable

9.1	Continued		
	L) Vapor Density	No Data Available	
	M) Relative Density	65 lb/cuft	
	N) Water Solubility	No Data Available	
	O) Partition Coefficient: N- Octanol/Water	No Data Available	
	P) Auto-Ignition Temperature	No Data Available	
	Q) Decomposition Temperature	No Data Available	
	R) Viscosity	No Data Available	
	S) Explosive Properties	No Data Available	
	T) Oxidizing Properties	No Data Available	
9.2	Other Safety Information		
	No Data Available		
10.	STABILITY AND REACTIVITY		
10.1	Reactivity		
	No Data Available		
10.2	Chemical Stability		
	Stable under recommended storage conditions.		
10.3	Possibility of Hazardous Reactions		
	No Data Available		
10.4	Conditions to Avoid		
	Exposure to moisture may affect product quality.		
10.5	Incompatible Materials		
	Oxidizing Agents, Alkali Metals, Ammonia (NH ₃)		
10.6	Hazardous Decomposition Products		
	SO ₃ @ 1450 C° Cl ₂ @ 318 C°		
	In the event of a fire: See section 5		
11.	TOXICOLOGICAL INFORMATION		
11.1	Information on Toxicological Effects		
	Acute Toxicity	No Data Available	
	Inhalation:	No Data Available	
	Dermal:	No Data Available	
	Skin Corrosion/Irritation	No Data Available	
11.1	Continued		
	Serious Eye Damage/Eye Irritation	No Data Available	
	Respiratory or Skin Sensitisation	No Data Available	
	Germ Cell Mutagenicity	No Data Available	
	Carcinogenicity	2B – Group 2B: Possibly carcinogenic to humans (Cobalt dichloride)	
	IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	
	NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	
	OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	
	Reproductive Toxicity	No Data Available	
	Specific Target Organ Toxicity – Single Exposure	No Data Available	
	Specific Target Organ Toxicity – Repeated Exposure	No Data Available	
	Aspiration Hazard	No Data Available	
	Additional Information	RTECS: Not Available	
		To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	
12.	ECOLOGICAL INFORMATION		
12.1	Toxicity	No Data Available	
12.2	Persistence and Degradability	No Data Available	
12.3	Bioaccumulative Potential	No Data Available	
12.4	Mobility in Soil	No Data Available	
12.5	Results of PBT and vPvB Assessment	PBT/vPvB Assessment not Available as chemical safety assessment not required/ not conducted.	
12.6	Other Adverse Effects	Toxic to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.	