

# W.A. Hammond Drierite Co., LTD

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## Safety Data Sheet

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### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product Identifiers

Product Name : Drierite, Du-Cal

Product Stock Numbers : 41050, 42050, 43050, 40451, 40207

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

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### 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

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

#### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Warning

Hazard Statement(s)

H319

Causes serious eye irritation.

Precautionary Statement(s)

P264

Wash skin thoroughly after handling.

P280

Wear protective gloves/eye protection/face protection

P305 + P351 + P338

IF IN EYES: Remove contacts, rinse cautiously with water for several minutes.

P337 + P313

If eye irritation persists: Seek medical attention.

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

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### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

#### 3.1 Substances

Du-Cal Drierite Contents : CaSO<sub>4</sub> ≥96% + CaCl<sub>2</sub> <4%

#### Non Hazardous Components

Component	Classification	Concentration
<b>Calcium Sulfate</b>		
CAS-No. 7778-18-9 EC-No. 231-900-3		≥96%

#### Hazardous Components

Component	Classification	Concentration
<b>Calcium Chloride</b>		
CAS-No. 10043-52-4 EC-No. 233-140-8	Eye Irritant. 2A; H319	<4%

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

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### 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

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### 5. FIREFIGHTING MEASURES

#### 5.1 Suitable Extinguishing Media

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

#### 5.2 Special hazards arising from the substance or mixture

Hydrogen chloride gas, Calcium Oxide

#### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### 5.4 Further Information

No data available

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## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1 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**

Do not let product enter drains.

### **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.

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## **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.

### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 Control Parameters**

#### **Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

### **8.2 Exposure Controls**

#### **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.

Full Contact

Material: Nitrile Rubber

Minimum Layer Thickness: 0.11mm Break

Through Time: 480 min

Material Tested: Dermatril ® (KCL 740 / Aldrich Z677272, Size M)

## 8.2 Continued

Splash Contact  
Material: Nitrile Rubber  
Minimum Layer Thickness: 0.11mm Break  
Through Time: 480 min  
Material Tested: Dermatril ® (KCL 740 / Aldrich Z677272, Size M)

Data Source:  
KCL GmbH, D-36124 Eichenzell  
Phone: +49(0)6659 87300  
Email: sales@kcl.de  
Test Method: EN374

If used in solution or mixed with other substances and under conditions which differ from EN374, Contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

### Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### 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

Do not let product enter drains.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties

A) Appearance	Form: Granular Color: White
B) Odor	No Data Available
C) Odor Threshold	No Data Available
D) pH	No Data Available
E) Melting Point/Freezing Point	Melting Point/Range: 772 °C (1,422 °F)-lit.
F) Initial Boiling Point and Boiling Range	1,670 °C (3,038 °F)
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

## 9.1 Continued

K) Vapor Pressure	0.01 hPa (0.01 mmHg) at 20 °C (68 °F)
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

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No Data Available

### 10.2 Chemical Stability

No Data Available

### 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

Strong Acids, Borane/Boron Oxides, Zinc, Calcium Oxide, Methyl Vinyl Ether, Calcium Chloride is attacked by Bromine Trifluoride.

### 10.6 Hazardous Decomposition Products

Other decomposition products - No Data Available

In the event of a fire: See section 5

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects

#### Acute Toxicity

LD50 Oral – Rat – 2,301 mg/kg

(OECD Test Guideline 401)

Inhalation: No Data Available

Dermal: No Data Available

### 11.1 Continued

#### **Skin Corrosion/Irritation**

Skin: Rabbit  
Result: No Skin Irritation

#### **Serious Eye Damage/Eye Irritation**

Eyes: Rabbit  
Result: Moderate Eye Irritation  
(OECD Test Guideline 405)

#### **Respiratory or Skin Sensitisation**

No Data Available

#### **Germ Cell Mutagenicity**

Rat  
Unscheduled DNA Synthesis

#### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: 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.

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: EV9800000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### **Calcium Chloride Component Only, Composition <4%**

Toxicity to Fish: LC50 – Lepomis Macrochirus – 10,650 mg/l – 96 h

Toxicity to Daphnia and  
Other Aquatic Invertebrates EC50 – Daphnia Magma (Water Flea) – 2,400 mg/l – 48 h

### 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**

No Data Available

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**13. DISPOSABLE CONSIDERATIONS**

**13.1 Waste Treatment Methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated Packaging**

Dispose of as unused product.

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**14. TRANSPORT INFORMATION**

**DOT (US)**

Not Dangerous Goods

**IMDG**

Not Dangerous Goods

**IATA**

Not Dangerous Goods

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**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: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Acute Health Hazard

**Massachusetts Right to Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right to Know Components**

Calcium Chloride:

CAS-No. 10043-52-4

Revision Date: 2009-07-17

**New Jersey Right to Know Components**

Calcium Chloride

CAS-No. 10043-52-4

Revision Date: 2009-07-17

**Section 15 Continued**

**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# 10043-32-4 is listed on the TSCA Inventory.

CAS# 7778-18-9 is listed on the TSCA Inventory.

**WHMIS Rating**

Hazard Class

D-2B Toxic Material

Pictogram



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**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**

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**Preparation Information:**

**W.A. Hammond Drierite Co., LTD. P.O. Box 460 Xenia, OH 45385 Revised 01-18-16**