



DarCole Products, Inc.

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*"Concrete Additives for Cement Attitudes"*

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY INFORMATION**

Product Identification

- Trade Name: DCI
- Common Use: Non-Chloride Corrosion Inhibiting and Accelerating Concrete Admixture
- Restriction on Use: Intended for industrial and professional users

Company Information

- CAS#: Mixture
- DarCole Products, Inc.  
1940 Hwy 41 South  
Sebree, KY 42455  
270-826-6499

Emergency Number-(serviced 24 hours)

- CHEMTREC 800-424-9300

**2. HAZARDS IDENTIFICATION**

Classification of substance or mixture:

Eye Irritation	Category 2A	Causes serious eye irritation
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Label Elements: This material requires a hazard warning label in accordance with GHS criteria.



Pictogram:

Signal Word: **DANGER**

Hazard Statement(s): H318: Causes serious eye damage

Precautionary statement(s):

P280: Wear eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

P310: Immediately call doctor/physician

Hazards not otherwise classified: Not applicable

DCI  
DarCole Products, Inc. Corrosion-Inhibiting Admixture  
Safety Data Sheet

### 3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Per 2012 OSHA Hazard Communication Standard 29 CFR 1910.1200

<b>Components:</b>		
Chemical Name:	CAS#:	Content
Calcium Nitrate	10124-37-5	<2%
Calcium Nitrate	13780-06-8	30-32%

### 4. FIRST AID MEASURES

Skin: Remove contaminated clothing. Wash affected area thoroughly with soap and water. If irritation persists, seek medical attention.

Inhalation: Move person away from exposure. If having difficulty breathing, administer oxygen. If breathing has stopped, administer artificial respiration and seek medical attention.

Eyes: Flush eyes with water lifting upper and lower lids occasionally for 15 minutes. If irritation persists, seek medical attention.

Ingestion: Contact physician or Poison Control Center (PCC) immediately. Do NOT induce vomiting unless instructed to do by physician or PCC.

### 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media: Water jet

Specific hazards in case of fire: Carbon dioxide, carbon monoxide, harmful vapors, nitrogen oxides, fumes/smoke, carbon black

Special protective equipment required for firefighting: Wear self-contained breathing apparatus, (SCBA)

Additional information for firefighters: Keep containers cool with water spray, do not allow runoff into the environment or sewer systems.

### 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Prevent material from entering drains, septic systems, water sources, etc. by the use of dikes, absorbent materials and booms.

Personal precautions, protective equipment and emergency procedures:

- Wear appropriate PPE as needed
- Keep unprotected persons away

Material containment and clean up: Contain material with dikes. Vacuum up spilled material or use absorbent media. Remove spilled material to storage for proper disposal. Dispose of in accordance with local, state and federal regulations. Rinse residual stain with water.

### 7. HANDLING AND STORAGE

Information about protections against explosions and fires: Dried Material will become an oxidizer which may provide oxygen to combustible materials.

Precautions for safe handling: Avoid vapors and spray. Avoid contact with eyes, skin, and clothing. No additional special handling required if product is used correctly.

Information about safe storage: Keep containers tightly closed. Store in a cool dry area away from heat or ignition sources. Protect from temperatures less than 32°F/0°C. Do not allow material to dry.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTIONS

Additional information about exposure controls: No further data; see section 7

Components with limit values that require monitoring at the workplace: None

PPE (personal protective equipment) and hygienic measures:

- Wear ANSI approved safety glasses or goggles to protect eyes.
- Wear latex or rubber gloves to protect skin.
- Wash hands thoroughly before breaks and at end of work day.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

General Information:

- Physical state: Liquid
- Color: light yellow
- Odor: Slightly sweet
- Odor Threshold: Not available

Physical Properties:

- pH value (@70°F): 9.5-11.50
- Specific gravity (@70°F): 1.240-1.280
- Bulk density: ~1.29g/cm<sup>3</sup>
- Boiling point: 226°F/108°C
- Freezing point/Melting point: 32°F/0°C
- Decomposition temperature: Not available
- Vapor pressure: Not available
- Vapor density: 1.0
- Evaporation rate: Not available
- VOC (w/w): 0%
- Solubility in / Miscibility with water: 100%
- Partition Coefficient (n-octanol/water): Not available
- Auto ignition: Material is not self-igniting
- Flash point: >200°F/93°C
- Lower/Upper Flammability Limits: Not applicable
- Viscosity: Not available
- Danger of Explosion: Material does not present an explosion hazard

## 10. STABILITY AND REACTIVITY

Material stability: Material is stable and not sensitive to mechanical impact

Hazardous decomposition products: None expected during normal storage, handling and use

Incompatible materials to avoid: Strong acids, ammonium compound, reducing agents, organic substances

Possibility of hazardous reactions: Contacts with acids liberates toxic nitrogen dioxide gas

Cautions to avoid: Do not allow material to dry

## 11. TOXICOLOGICAL INFORMATION

Routes for exposure for solids and liquids are ingestion and inhalation, but may include eye and skin contact.

Acute toxicity: This product has not been tested for toxicity. Based on data derived from individual components.

- Ingestion: No data available
- Inhalation: No data available
- Skin: No data available
- Irritation/Corrosion: causes serious eye damage

Chronic toxicity: This product has not been tested for toxicity. Based on the properties of the individual components, the classification criteria are not met.

- Repeated Dose: based on available data, the classification criteria is not met
- Genetic: based on available data, the classification criteria is not met
- Carcinogenicity: based on available data, the classification criteria is not met
- Reproductive: based on available data, the classification criteria is not met
- Teratogenicity: based on available data, the classification criteria is not met

## 12. ECOLOGICAL INFORMATION

Based on available data, potential for environmental toxicity is low; however, discharge to the environment should be avoided.

Ecotoxicity: product is unlikely harmful to aquatic life

Persistence and degradability: product expected to degrade in one month or less

Bioaccumulative potential: There is no evidence to suggest bioaccumulation will occur

Mobility in soil: Accidental spillage may lead to penetration in the soil and groundwater, however; there is no evidence that this would cause adverse ecological effects.

## 13. DISPOSAL CONSIDERATIONS

In its manufactured form this material is not considered a hazardous waste. Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

Material is not regulated for transport.

## 15. REGULATORY INFORMATION

- Sara 302 (extremely hazardous materials): not applicable
- Sara 311/312: Acute health hazard
- Sara 313: 1.0% de minimis concentration (reportable only when in aqueous solution). Chemical category N511-related to Nitrate Compounds, water dissociable
- TSCA: All components are listed or exempt
- California Prop 65: This product does not contain any chemicals known to the state of CA to cause cancer, birth or any other reproductive defects.

## 16. OTHER INFORMATION

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