

DPI SRA
DarCole Shrinkage Reducer
Safety Data Sheet



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: **DPI SRA**
- Common Use: Shrinkage Reducing Concrete Admixture
- Restriction on Use: Intended for industrial and professional users
- CAS#: Mixture

Company Information

- 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:

Skin Irritation	Category 2	Skin Irritant
Eye Irritation	Category 2A	Causes serious eye irritation
Flammable Liquid	Category 4	Combustible Liquid

Label Elements: This material requires a hazard warning label in accordance with GHS criteria.



Pictogram:

Signal Word: **WARNING**

Hazard Statement(s):

H315: Causes skin irritation

H319: Causes serious eye irritation

H227: Combustible liquid

Precautionary statement(s):

P210: Keep away from flames and hot surfaces-No smoking

P280: Wear protective gloves and eye protection/face protection

P264: Wash with plenty of water and soap thoroughly after handling

P302+P313: If skin irritation occurs: Get medical advice

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P362: Take off contaminated clothing and wash before reuse

Precautionary statements (response):

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.

P337+P313: If eye irritation persists: Get medical advice/attention

P370: In case fire, use water mist, dry powder, foam, carbon dioxide for extinguishing

P403+P235: Store in a well-ventilated area. Keep cool.

P501: Dispose of contents/container per local, state, federal regulations

Hazards not otherwise classified: Not applicable

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Per 2012 OSHA Hazard Communication Standard 29 CFR1910.1200

Components:		
Chemical Name:	CAS#:	Content
Glycol Alkyl Ether	Proprietary*	60-100%

*As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact concentration of composition may be withheld. Specific chemical identity and exact percentage concentration will be provided to health care professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

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: Water mist, dry powder, foam, 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: Material is combustible. Cool containers exposed to fire with water spray. Heated containers may rupture.

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.

7. HANDLING AND STORAGE

Information about protections against explosions and fires: Material is combustible.

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Precautions for safe handling: Do not eat, drink or smoke when using this product. Use only in well ventilated areas. Take measures to prevent buildup of static charge.

Information about safe storage: Store in cool, dry well-ventilated area. Keep container tightly closed.

Shelf Life: 18 months

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: Clear
- Odor: Mild to sweet
- Odor Threshold: Not applicable

Physical Properties:

- pH value (@70°F): 4.0-8.0
- Specific gravity (@70°F): 0.830-1.010
- Relative density: 0.93@68°F/20°C
- Boiling point: 387°F/197°C
- Freezing point/Melting point: -58°F/-50°C
- Decomposition temperature: Not available
- Vapor pressure: 0.05 mmHg @ 20°C
- Vapor density: 4.1(air=1)
- Evaporation rate: Not available
- VOC (w/w): 0%
- Solubility in / Miscibility with water: 100%
- Partition Coefficient (n-octanol/water): log Pow:<1
- Auto ignition: 583°F/ 306°C
- Flash point: 199°F/ 93°C Method: Open Cup
- Lower/Upper Flammability Limits: UEL 9.0% LEL 1.3%
- Viscosity: Not available

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 oxidizing agents, strong reducing agents, strong acids, acid chlorides and anhydrites

Possibility of hazardous reactions: Heat, Flames, and Sparks

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. Toxicity is based on data derived from individual components.

- Dermal: causes skin irritation
- Inhalation: non-toxic by inhalation

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- Ingestion: non-toxic after a single ingestion
- Corrosion/irritation: causes serious eye irritation

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

Most important symptoms and effects: acute and delayed: Product may irritate the eye and skin. Eye irritation includes pain, stinging, tearing, redness, itchiness and pain. Symptoms may be delayed.

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: Not applicable
- TSCA: All components are listed or exempt
- California Prop. 65: This product does not contain any chemicals known to the state of California to cause cancer, birth or any other reproductive defects.

16. OTHER INFORMATION

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