



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: **DarCole Integral Shield**
- Common Use: Integral Water Repellent/Water Proofing Concrete Admixture
- Restriction on Use: Intended for industrial and professional users
- CAS#: Mixture

Company Information

- DarCole Products, Inc.
9130 US Hwy 60 West
Henderson, KY 42420
270-826-6499

Emergency Number-(serviced 24 hours)

- CHEMTREC 800-424-9300

2. HAZARDS IDENTIFICATION

Classification of substance or mixture:

Flammable Liquid	Category 4	Combustible Liquid
Skin Irritation	Category 2	Causes Skin Irritation

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



Pictogram:

Signal Word: **WARNING**

Hazard Statement(s): H227: Combustible liquid

H315: Causes skin irritation

Precautionary statement(s):

P210: Keep away from flames & hot surfaces, No Smoking.

P264: Wash hands, arms and face thoroughly after handling.

P280: Wear protective gloves

Precautionary statement (response):

P370+P378: IN CASE OF FIRE: Use dry sand, dry chemical, or alcohol resistant foam.

P302+P352: If ON SKIN: Wash with plenty of soap & water

P332+P313: If skin irritation occurs: Get medical advice

P362: Take off contaminated clothing and wash before reuse

Hazards not otherwise classified: Not applicable

Additional classifications:

Not applicable

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Per 2012 OSHA Hazard Communication Standard 29 CFR1910.1200

Components:		
Chemical Name:	CAS#:	Content
Poly (dimethyl siloxane)	63148-62-9	50-100%

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: Use dry sand, dry chemical or alcohol resistant foam.

Unsuitable extinguishing media: Water jet – DO NOT USE DIRECT WATER STREAM

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: Flash back possible over considerable distance. Vapors may form explosion mixture with air. Contain fire water run-off if possible. Use water to cool exposed containers. Do not use water stream on fire as it may scatter and spread.

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. Use non-sparking tools. Use inert absorbent material to soak up spilled material. Remove spilled material to storage for proper disposal. Dispose of spilled material and absorbent materials in accordance with local, state, and federal regulations. See section 13 for additional information.

7. HANDLING AND STORAGE

Information about protections against explosions and fires: No special measures required if material is stored and used correctly

Precautions for safe handling: Store in cool place with good ventilation. Do not expose material or packaging to ignition sources. Empty containers may be hazardous as they contain residue.

Information about safe storage: Keep in properly labeled container. Keep tightly closed. Store in cool place with good ventilation. Keep away from heat and other ignition sources.

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: Colorless
- Odor: Faint
- Odor Threshold: Not applicable

Physical Properties:

- pH value (@70°F): 9.00-11.50
- Specific gravity (@70°F): 0.800-0.900
- Bulk density: Not available
- Boiling point: 459°F/237°C
- Freezing point/Melting point: -148°F/-100°C
- Decomposition temperature: Not available
- Vapor pressure: Not available
- Vapor density: Not available
- Evaporation rate: Not available
- VOC (w/w): 0%
- Solubility in / Miscibility with water: <0.00025 g/l (virtually insoluble)
- Partition Coefficient (n-octanol/water): 6.1 (Log pow)
- Auto ignition: 484°F /251°C
- Flash point: 108°F /42°C
- Lower/Upper Flammability Limits: LEL = 0.4% / UEL = not determined
- Viscosity: Not available

10. STABILITY AND REACTIVITY

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

Hazardous decomposition products: measurements have shown the formation of small amounts of formaldehyde at temperatures above 302°F /150°C through oxidation.

Incompatible materials to avoid: None known

Possibility of hazardous reactions: reacts with water, basic substances and acids.

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: no data available
- Ingestion: no data available

Chronic toxicity: This product has not been tested for toxicity.

- Repeated dose: no data available
- Genetic: no data available
- Carcinogenicity: no data available
- Reproductive: no data available
- Teratogenicity: no data available

12. ECOLOGICAL INFORMATION

This product and components have not been tested.

Ecotoxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

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. This material has been tested and does not sustain combustion. DOT flammable class 3 label or bulk liquid placards are not required.

15. REGULATORY INFORMATION

- Sara 302 (extremely hazardous materials): not applicable
- Sara 311/312: Fire 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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