



DARCOLE PRODUCTS, INC.  
P. O. Box 1460  
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## Material Safety Data Sheet

Product Code: DSC 412  
Product Name: DarNShotcrete 412  
Effective Date: 7-12-2010  
Emergency Phone: 270-826-6499  
Date Printed: 7-12-2010

**CHEMICAL FAMILY**  
NO HAZARDOUS MATERIALS  
TRADE SECRET  
CAS NO: 1910, CAS NO: 1200  
Lignosulfonate, Gluconolactone

**Surface becomes very slippery.**

Waste Disposal Method:  
Dispose where permitted under appropriate Federal, State and Local regulations.  
Precautions to be taken in handling and storing:  
Avoid exposure to cold weather, water and wind.

### PHYSICAL DATA

Boiling Point: N/A  
Vapor Pressure: N/A  
Vapor Density (Air = 1): N/A  
Solubility in Water: Soluble  
Specific Gravity (H<sub>2</sub>O): Greater than 1  
Appearance: Dark Brown liquid  
Odor: Slight Odor

### HEALTH HAZARD DATA

Eye: Soluble may cause irritation.  
Skin Contact: Essential nonirritating to skin.  
Skin Absorption: Prolonged contact with skin may cause irritation.  
Ingestion: No hazard is anticipated.  
Inhalation: Exposure is not likely to be hazardous.

### FIRE AND EXPLOSION HAZARD DATA

Flash point: N/A  
Method Used: N/A  
Flammable Limits  
LFL: N/A  
UFL: N/A  
Extinguishing Media: Water Soluble/water fog.  
Foam CO<sub>2</sub>  
Fire and Explosion Hazardous: N/A  
Fire-Fighting Equipment: N/A

### FIRST AID

Eyes: Flush with water for 15 minutes.  
Obtain medical attention.  
Skin: Wash with soap.  
Ingestion: No evidence of adverse effects.  
Inhalation: No evidence of adverse effects.

### REACTIVITY DATA

Stability: Stable  
Incompatibility: Strong Oxidizers  
Hazardous Combustion  
Decomposition Products: N/A  
Hazardous Polymerization: N/A  
Conditions to Avoid: Strong Oxidizers

### HANDLING PRECAUTIONS

Exposure Guideline(s): N/A  
Ventilation: Mechanical  
Respiratory Protection: No Precaution  
Skin Protection: Rubber and Neoprene  
Gloves  
Eye Protection: Safety Goggles

### SPILL OR LEAK PROCEDURES

**Steps to be taken if material is released or spilled:**  
Flush with water using a wet/dry vac or dry sand/soil absorbent, shovel up. In either case, flush with water following removal. Do not dispose in river or streams.

### ADDITIONAL INFORMATION

This information expressed herein is current as of the date of the Material Safety Data Sheet. DARCOLE PRODUCTS, INC. makes no warranty of any kind express or implied, including those of merchantability and fitness for purpose. The responsibility of DARCOLE PRODUCTS, INC. for claims arising out of breach of warranty, negligence, strict liability or otherwise are limited to the purchase price of the materials.