

MATERIAL SAFETY DATA SHEET

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

REVISION: 12/15/2011

SECTION I-MANUFACTURER

NAME: CLEMONS CONCRETE COATINGS
505 Cave Road
Nashville, TN 37210
Tel: 615-872-9099

24 Hour Emergency Telephone No.
INFOTRAC
1-800-535-5035

SECTION II-PRODUCT IDENTIFICATION

IDENTITY: SUPER DYE

HMIS CODES: H F R P
1 1 1 G

SECTION III-COMPONENTS

	<u>CAS #</u>	<u>OSHA PEL(TWA)</u>	<u>ACGIH(TLV-TWA)</u>	<u>wt.% when diluted</u>
2-Butoxyethanol	111-76-2	50 ppm	20 ppm	<2.0%
Glycol Ether DB	112-34-5	50 ppm	20 ppm	0-2.64%
Glycol ether EP	2807-30-9	None established	None established	0-3.52%
Propylene Glycol Ether DPM	34590-94-8	100 ppm	100 ppm	0-0.44
Glycol Ether PM Alcohol	107-98-2	100 ppm	100 ppm	0-3.08%
Propylene Glycol	57-55-6	None established	None established	0-1.32%
Ethyl Lactate	97-64-3	None established	None established	0-0.88%
Ethoxy Propanol	52125-53-8	None established	None established	0-2.20%
Cr+3 (complexed in dye molecule)	7440-47-3	0.5 mg/m ³	0.5 mg/m ³	0-0.44%

SECTION IV-PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity (H20=1): 1.00
Vapor Density (Air=1): Heavier than air.
Material V.O.C.: 4.9 lbs./gallon for concentrate, 0.3 lbs./gallon diluted for use with water.

Appearance: Liquid (color varies)
Odor: Typical glycol ether

SECTION V-FIRE AND EXPLOSION HAZARD DATA

Flash Point (TCC): 150° F
Flammable Limits(% volume in air for solvents): LEL=1.1 UEL=17.0
Extinguishing Media: Dry chemical, CO2, water fog, or alcohol-resistant foam
Special Fire Fighting Procedures: Evacuate area and fight fire from a distance. Firefighters wear NIOSH approved self-contained breathing apparatus.

SECTION VI-REACTIVITY DATA

Reactivity: Stable
Conditions to avoid: None known.
Incompatibility (Materials to Avoid): None known.
Hazardous Decomposition (Byproducts): Carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur.

SECTION VII-HAZARDS IDENTIFICATION

Routes of Exposure: Inhalation, Ingestion, eyes, and Skin.

Health Hazards:

Acute: May cause eye, skin, gastrointestinal, and lung irritation. Inhalation of large quantities of mist or vapor may cause central nervous system depression.

Chronic: Prolonged and repeated exposures to high concentrations may cause mild reversible damage to kidneys, liver, and lymphatic system.

Skin Contact: May cause irritation and redness.

Eye Contact: May cause redness, tearing, stinging and swelling of the eyes. Direct contact may cause permanent eye damage.

Inhalation: May cause headache, nausea, or lung irritation.

Ingestion: May cause gastrointestinal irritation. Aspiration of the material into the lungs can cause chemical pneumonitis, which can be fatal. Unlikely to be ingested in harmful quantities.

Carcinogen: Cr+3 is listed Group 3 unclassifiable for human carcinogenicity by IARC.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin, eye, or lung disorders may be more susceptible to the effects of the substance.

SECTION VIII-SARA Sections 311-313 INFORMATION

SARA 311/312:

Acute Health Hazard
Chronic Health Hazard

SARA 313:

Components
2-butoxyethanol
Cr+3 (complexed in dye)

SECTION IX-EMERGENCY AND FIRST AID PROCEDURES

Skin: Remove contaminated clothing and wash affected areas with soap and water.

Eyes: Flush with a gentle but large stream of clean water for 15 minutes, lifting the lower and upper eyelids occasionally. Call a physician if irritation persists.

Inhalation: Move to fresh air and provide oxygen if breathing is difficult. Seek medical attention.

Ingestion: DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention immediately.

SECTION X-PRECAUTIONS FOR SAFE HANDLING AND USE

Normal Handling: Always use good industrial hygiene practices and safety guidelines.

Storage: Store material in its original container. Keep containers tightly closed when not in use.

Waste Disposal Method: Dispose of material in accordance with federal, state, and local guidelines.

Special Precautions: Avoid breathing mist. Avoid freezing.

SECTION XI-EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Use NIOSH-approved organic vapor respirator when exposure levels can't be kept below limits.

Ventilation: Provide adequate mechanical ventilation to keep exposure levels below TLV's.

Protective Gloves: Wear impervious chemical gloves.

Eye Protection: Wear chemical safety glasses.

Other Protective Clothing or Equipment: As needed to prevent repeated/prolonged contact.

Work/Hygienic Practices: Use only in adequately-ventilated area unless recommended respiratory protection is used. Wash

thoroughly with soap and water after handling and before eating, smoking, or using washroom. If clothes become contaminated, change to clean clothing and wash contaminated clothes before re-use.

SECTION XII-TRANSPORTATION INFORMATION

Proper Shipping Name: Non-Regulated Material

SECTION XIII-ADDITIONAL REGULATORY INFORMATION

The regulatory information provided is not intended to be comprehensive. Other federal, state and local regulations may apply to this material.

OSHA: This material is hazardous by definition of Hazardous Communications Standard (29 CFR 1910.1200).

TSCA: Components of this material are either listed or are exempt from the EPA TSCA Inventory of Chemical Substances.

DISCLAIMER: Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, Clemons Concrete Coatings makes no representations as to the completeness or accuracy thereof.