

MATERIAL SAFETY DATA SHEET

Cem-Dye S

SECTION I

Product Identification and General Information

Product Name: Cem-Dye S
Product Class: Metallized Azo Dye
HMIS Codes: H F R P
2 2 0 H, O, Q

Date Prepared: 11/10/2009
24 Hour Emergency Assistance Chemtrec
1-800-424-9300

SECTION II

Hazardous Ingredients

	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Trime-1,3 Pentanedil, Monoisobutyrate	25265-77-4	N/E	N/E
Ethylene Glycol Monopropyl Ether	2807-30-9	N/E	N/E
Diethylene Glycol Monobutyl Ether	112-34-5	N/E	N/E
Ethyl Lactate	97-64-3	N/E	N/E

SECTION III

Physical Data

Boiling Point: ~243 F
pH: N/E
Vapor Sp. Gr.: < 3.0 @ (Air-1 @ 60-90 F)
Viscosity: ~ 2 CS 2 77 F (Brookfield)

Solubility in Water: Complete in all proportions
Appearance: White milky fluid
Vapor Pressure: - 10.9 MM HG (at 77F)
Specific Gravity: ~ .92 at 25 C (77 F)

SECTION IV

Fire and Explosion Hazard Data

Flash Point: > 200 F Method: Closed Cup SW-846 1020 (ASTM Compliant)
Types of extinguishers: Water, dry chemical, CO2, foam
Fire-fighting directions: Wear self-contained breathing apparatus to protect against possibly toxic fumes.
Wear full fire-protective clothing.
Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide, and other possible toxic fumes.

SECTION V

Reactivity Data

Stability: Stable
Conditions to avoid: Heat, sparks, open flame, other ignition sources, and oxidizing conditions; Extended contact with air or oxygen.
Hazardous Polymerization: Will not occur
Incompatible Materials: Strong oxidizing agents

SECTION VI

Health Hazard Data

Effects of Overexposure: Caution! May cause irritation to eyes, skin, and respiratory tract. May cause liver and/or kidney damage if swallowed. Inhalation of vapors may cause central nervous system depression. May cause blood abnormalities.

Primary Route(s) of Exposures: Skin contact, breathing vapors/mists, eye contact.

Acute Health Effects:

Eye Contact: May cause pain, severe irritation, and transient corneal injury.

Skin Contact: May cause slight irritation if left in contact with skin.

Breathing Vapor/mists: Can irritate the nose, throat, and lungs, and cause signs of symptoms of central nervous system depression depending on the concentration and duration of exposure.

Ingestion: May cause central nervous system depression, gastrointestinal tract, liver and kidney damage.

Sensitization: May be a skin sensitizer.

Cancer Information: Product and components not known to us to be Carcinogens.

Medical conditions worsened by exposure: Pre-existing disorders of the central nervous system, skin, eye, liver, kidney, and/or blood.

SECTION VII

First Aid

Eye : Immediately rinse with plenty of clean flowing water for at least 15 minutes, holding eyelids open to rinse completely. If irritation persists, get medical attention.

Skin: Remove affected clothing, wash affected area with plenty of soap and water. Rinse with plenty of water. Wash work clothes before wearing again. If any redness, swelling, itching or pain of skin starts, get medical attention.

Breathing product vapor/mist: Move person to fresh air. If person has difficulty breathing, give oxygen. If not breathing, give artificial respiration. Get emergency medical help immediately. Call 911

Ingestion: If swallowed, do not induce vomiting, contact a doctor or poison control center immediately (have this MSDS available).

SECTION VIII

Special Protection Information

Note: When selecting personal protective equipment and clothing, take into consideration worker environments and all chemicals and mixtures being handled or processed. Apply OSHA workplace regulations in CFR Title 29 Part 1910.1200, and cited and cross-referenced regulations and standards. State and local regulations may also apply.

Eye Protection: Wear splash-proof chemical safety goggles. Precaution: Contact lenses should not be worn when working with chemicals.

Skin Protection: Wear chemically resistant rubber gloves, selected with your specific processing conditions and chemicals to be handled in mind. Wear coveralls and boots to minimize skin contact. As a precaution, wash hands and face with mild soap and water before eating, drinking, smoking or using restroom. After each shift, clean all protective equipment, wash all work clothes and shower well.

Lung, Throat and Nasal Protection: Wear NIOSH approved vapor/mist respirator for your particular operation and material being handled. Clean respirator with soap and water after each shift.

Other Protection: Eye wash fountains and drench showers should be located within 100 feet or a 10-second walk of the work area per ANSI Z358.1-1990.

Ventilation: Local exhaust is recommended.

SECTION IX

Spill or Leak Procedures

Disposal Methods: Recycle or rework material if at all possible; incinerate material at an approved facility; treat at an acceptable waste treatment facility, or municipal waste treatment plant after proper testing & approval of waste samples, in compliance with applicable federal, state & local environmental regulations.

Do not release any chemical, dyes or other color solutions into any sewer, or any river, stream, lake pond nor onto any other type of watercourses, waterways, or systems without proper government permission at all levels.

Container reuse: An "empty" container can contain product residue and should not be reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorized reuse.

SECTION X

Shipping Data

D.O.T. Shipping Name: Paint Related Material

Technical Shipping Name: Metallized Azo Dye

D.O.T. Hazard Class: Not Regulated

UN/NA Number: N/A

Reportable Quantity: None

D.O.T. Labels Required: None

Freight Class: 55