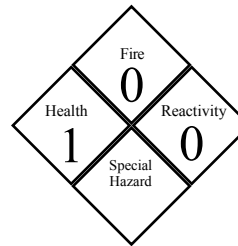




NFPA Rating



HMIS Rating

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

Material Safety Data Sheet
CSI Concrete Dye: Sweet Potato

Date: 0509

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File Name: *CSIconDyeSweetPotato*

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION:

Company:
ChemSystems, Inc.
10101 Genard Road
Houston, TX 77041

24-Hour Emergency Response Information
CHEMTREC: 800.424.9300

Chemical Family: Confidential Color Compound
Synonyms: Unspecified

2. COMPOSITION/INFORMATION ON INGREDIENTS:

<u>CAS NO.</u>	<u>Chemical Name</u>	<u>%</u>
7440-47-3	CR+3 Complex Dye	0.6-1.0%
Undisclosed	Organic Solvent 99960262	0.8-1.2%

3. HAZARD IDENTIFICATION:

Emergency overview:

CAUTION! May be harmful if inhaled. May cause mild eye, respiratory and skin irritation.

Use local exhaust ventilation.

Wear safety glasses.

Wear chemical-resistant gloves and protective clothing.

Potential health effects:

Primary Routes of Entry-

Solids and liquids: Eye and skin contact and ingestion.

Gases: Inhalation and eye contact.

Liquefied gases: Eye contact.

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4. FIRST-AID MEASURES:

General advice:

Remove contaminated clothing.

If in eyes:

Treat as for mild detergent. Rinse eyes with water for 15 minutes.

If on skin:

Wash off with water; consult a physician if irritation persists.

If inhaled:

Move to fresh air.

If swallowed:

Induce vomiting if victim is conscious; consult a physician.

Note to physician:

Unspecified.

5. FIRE-FIGHTING MEASURES:

Flash point:

None (C.O.C.)

LEL:

Not established.

UEL:

Not established.

Suitable extinguishing media:

Water fog or spray, dry extinguishing media, CO₂, foam.

Water spray may be used to keep fire-exposed containers cool if they cannot be safely moved.

Hazards during fire-fighting:

No hazards expected when handled according to instructions.

Protective equipment for fire-fighting:

Wear NIOSH-approved self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:

Use recommended personal protective clothing and equipment. Equipment used when handling this product must be grounded.

Environmental precautions:

Can be discharged into drains/surface water/groundwater/basements/confined areas. If allowed by local, state and federal regulations.

Cleanup:

- For small amounts of released material: Mop or vacuum up.

- For large amounts of released material: Pump off product.

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7. HANDLING and STORAGE:

Handling:

General advice-

No specific measures necessary provided product and recommended protective clothing/equipment are used correctly.

Storage:

General advice-

Store in tightly closed, properly vented containers away from direct sunlight, heat, sparks, open flames and strong oxidizing agents. Do not allow product to freeze.

8. EXPOSURE CONTROLS and PERSONAL PROTECTION:

Advice on system design:

Provide local exhaust ventilation to control vapors/mist.

Personal protective equipment (HMIS rating 'B'):

Eye protection: Safety glasses.

Skin protection: Chemical-resistant gloves. Wear protective clothing to minimize skin contact.

Respiratory protection: No.

General safety and hygiene measures: Handle in accordance with good industrial hygiene and safety practices. Due to the coloring properties of the product, closed work clothes should be worn to avoid stains during installation. Wash soiled clothing before reuse.

Other protective measures:

Nearby running water on the job site is necessary should an accident occur.

9. PHYSICAL and CHEMICAL PROPERTIES:

Form:	Liquid
Odor:	Product specific
Color:	Specified
pH value:	Unspecified
Water content:	96%
Total solids/Non-volatiles:	1-2%
Total VOC:	N/A
Solvents by weight:	2-3%
Specific gravity:	Unspecified
Solidification temperature:	Unspecified
Freezing/Melting point:	Unspecified (do not allow product to freeze)
Boiling point:	212 °F (100 °C)
Density:	Unspecified
Viscosity dynamic:	Unspecified
Solubility in water:	Miscible

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10. STABILITY and REACTIVITY:

Conditions to avoid:

None.

Substances to avoid:

Strong oxidizing agents, e.g. bleach.

Hazardous reactions:

Product is chemically stable.

Decomposition products:

Burning can produce carbon monoxide.

Corrosion to metals:

No corrosive effect on metal.

11. TOXICOLOGY INFORMATION:

Acute Toxicity:

Oral:

Unspecified

Eye irritation:

Mild irritant.

Skin irritation:

Mild irritant

Inhalation:

May be harmful if inhaled. Mild irritant.

Sensitization:

Skin: Not established. Respiratory: Not established.

Chronic Toxicity:

Other information:

Unspecified

12. ECOLOGICAL INFORMATION:

Biodegradation:

Test method:

Unspecified

Analysis method:

Unspecified

Degree of elimination:

Unspecified

Environmental toxicity:

Acute and prolonged toxicity to fish:

Unspecified

Toxicity to microorganisms:

Unspecified

Other ecotoxicological advice:

Unspecified

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13. DISPOSAL CONSIDERATIONS:

Waste disposal of substance:

Dispose of in accordance with local, state and federal regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA (EPA regulations for hazardous waste).

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA:

None.

14. TRANSPORTATION INFORMATION:

Land transportation:

US DOT Shipping Class: Paint (Non-Hazardous)

Sea transportation:

IMDG: Unspecified

Air transportation:

IATA/ICAO: Unspecified

15. REGULATORY INFORMATION:

Federal Regulations:

Registration status:

TSCA, US Unspecified

OSHA hazard category: 29 CFR 1910.1200 and related appendices (unprotected contact)

SARA hazard category (EPCRA 311/312):

Unspecified

CAS Number:

7440-47-3

Undisclosed

Chemical Name:

CR+3 Complex Dye

Organic Solvent 99960262

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16. OTHER INFORMATION:

NFPA Rating:

Health: 1 Fire: 0
Reactivity: 0 Special Hazard: none

HMIS III Rating:

Health: 1 Flammability: 0
Physical Hazard: 0 Personal Protection: B (Safety glasses, and chemical-resistant gloves.)

Both NFPA and HMIS III rating systems use a numbering scale that ranges from 0 to 4 to indicate the degree of hazard. A value of zero means the substance possesses no hazard while a value of four indicates high hazard.

HMIS III personal protection ratings A-K are specified by HMIS, while ratings L-Z are specified by this manufacturer- please review section 8 for specific safety equipment recommended for use with this product.

Reason for Revision:

N/A New document

Reviewed:

CS/0509

Local Contact Information:

ChemSystems, Inc.
10101 Genard Road, Houston, TX 77041
800.545.9827

24-Hour Emergency Response Information:

CHEMTREC: 800.424.9300

Notice: While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for user guidance only. Many factors may affect processing or application/use, ChemSystems, Inc. recommends user-tests to determine suitability for a particular purpose, prior to use. In no case shall descriptions, designs, data or information provided be considered a part of the terms or conditions of sale. Further, the user expressly understands and agrees that CSI assumes no obligation or liability for the descriptions, designs, data or information given or results obtained as all such being given and accepted at users own risk.

Warranty: This product is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller's and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product. If you have any questions, please contact ChemSystems, Inc..