

SAFETY DATA SHEET

FCEM-DYES

Page 1 of 5

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY
--

MANUFACTURER'S NAME / ADDRESS

ARIZONA POLYMER FLOORING
4565 W WATKINS ST.
PHOENIX, AZ 85043 .

TRADE NAME: CEM-DYE S
COLOR: VARIOUS
MAIN USE: SOLVENT SOLUBLE COLORANT POWDER

EMERGENCY TELEPHONE NUMBER: (800) 424-9300 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION
--

GLOBALLY HARMONIZED SYSTEM (GHS)

CLASSIFICATION: NOT A DANGEROUS SUBSTANCE OR MIXTURE

GHS LABEL ELEMENTS: NOT APPLICABLE

SIGNAL WORD: NONE

HAZARD STATEMENTS: NONE

PRECAUTIONARY STATEMENTS: NONE

OTHER HAZARDS: CONTACT WITH DUST MAY CAUSE MECHANICAL IRRITATION OR DRYING OF THE SKIN. DUST CONTACT WITH EYES CAN LEAD TO MECHANICAL IRRITATION. MAY CAUSE NOSE, THROAT AND LUNG IRRITATION

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
--

HAZARDOUS INGREDIENTS	Wt. %	CAS Number
SOLVENT SOLUBLE DYE	70-100	
CHROMIUM AS Cr+3 (COMPLEXED IN DYE MOLECULE)	0-10	007440-47-3
COBALT (COMPLEXED IN DYE MOLECULE)	0-10	007440-48-4
COPPER (COMPLEXED IN DYE MOLECULE)	0-10	007440-50-8

SECTION 4: FIRST AID MEASURES

GENERAL: REMOVE AFFECTED PERSON FROM AREA. TREAT SYMPTOMATICALLY.

EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION: MOVE TO FRESH AIR. IF BREATHING REMAINS OR BECOMES LABORED, SEEK MEDICAL ATTENTION.

INGESTION: GIVE 3 – 4 GLASSES OF MILK OR WATER. **DO NOT INDUCE VOMITING.** SEEK MEDICAL ATTENTION.

SECTION 5: FIRE FIGHTING MEASURES
--

FLASH POINT: DOES NOT SUSTAIN COMBUSTION **CONDITIONS OF FLAMMABILITY:** NA

FLAMMABLE LIMITS: **LEL:** ND **UEL:** ND

OSHA CLASS: NOT REGULATED

AUTO IGNITION TEMP: ND

HAZARDOUS COMBUSTION PRODUCTS: DECOMPOSITION PRODUCTS MAY INCLUDE METAL OXIDE

SENSITIVITY TO IMPACT: ND

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: NA

SENSITIVITY TO STATIC DISCHARGE: ND

EXTINGUISHING MEDIA: USE AN EXTINGUISHING AGENT SUITABLE FOR THE SURROUNDING FIRE.

SAFETY DATA SHEET

FCEM-DYES

Page 2 of 5

SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. WATER SPRAY IS USEFUL IN COOLING FIRE-EXPOSED VESSELS.

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: AVOID DISPERSAL OF SPILLED MATERIAL AND RUNOFF AND CONTACT WITH SOIL, WATERWAYS, DRAINS AND SEWERS. VACUUM OR SWEEP UP MATERIAL AND PLACE IN A DESIGNATED, LABELED WASTE CONTAINER. DISPOSE OF VIA A LICENSED WASTE DISPOSAL CONTRACTOR.

SECTION 7: HANDLING AND STORAGE

GENERAL: AVOID GENERATING AND BREATHING DUST. USE ONLY WITH ADEQUATE VENTILATION. KEEP CONTAINER CLOSED. WASH THOROUGHLY AFTER HANDLING.

STORAGE: KEEP CONTAINER TIGHTLY CLOSED AND SEALED UNTIL READY TO USE.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
DYE POWDER	15mg/m ³	ND	10mg/m ³	ND	RESPIRABLE
007440-47-3	0.5mg/m ³	ND	0.5mg/m ³	ND	
007440-48-4	0.1mg/m ³	ND	0.02mg/m ³	ND	
007440-50-8	1mg/m ³	ND	1mg/m ³	ND	

LEGEND: (M) MAX. EXPOSURE LIMIT; (S) OCCUPATIONAL EXP. LIMIT; (R) SUPPLIERS REC. LIMIT, (+) PERCUTANEOUS RISK
NOTE 1: VALUES MEANINGFUL ONLY WHEN HARDENED PRODUCT IS ABRADED, GROUND, ETC.

ENGINEERING CONTROLS: NO SPECIFIC CONTROLS NEEDED. GENERAL AND LOCAL EXHAUST RECOMMENDED.

RESPIRATORY PROTECTION: NONE AS REQUIRED. NIOSH-MSHA APPROVED RESPIRATORS (PAPER DISPOSABLE; ½ OR FULL FACE PIECE AIR PURIFYING; SUPPLIED AIR – DEPENDENT UPON PEL LEVELS).

<5X PEL – ANY DUST RESPIRATOR.

5<10X PEL – ANY DUST RESPIRATOR (EXCEPT SINGLE USE OR ¼ MASK). ANY FUME OR HIGH EFFICIENCY PARTICULATE FILTER RESPIRATOR.

10<50X PEL – HIGH EFFICIENCY PARTICULATE FILTER RESPIRATOR WITH FULL FACE PIECE.

50<500X PEL – POWERED AIR-PURIFYING RESPIRATOR WITH PARTICULATE FILTER.

>500X PEL - SELF-CONTAINED BREATHING APPARATUS.

PROTECTIVE GLOVES: NITRILE RUBBER

EYE PROTECTION: SPLASH-PROOF GOGGLES OR CHEMICAL SAFETY GLASSES

OTHER PROTECTIVE EQUIPMENT: LONG SLEEVED SHIRTS AND TROUSERS. EMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE READILY ACCESSIBLE.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: NA

SPECIFIC GRAVITY: 3.8-4.3

VAPOR PRESSURE: NA

MELTING POINT: NA

VAPOR DENSITY: NA
(AIR = 1)

EVAPORATION RATE: NA
(BUTYL ACETATE = 1)

SOLUBILITY IN WATER: INSOLUBLE

pH: ND

COEFFICIENT of WATER/OIL DISTRIBUTION: ND

ODOR THRESHOLD: ND

SAFETY DATA SHEET

FCEM-DYES

Page 3 of 5

APPEARANCE AND ODOR: COLORED POWDER, NO ODOR

% VOLATILES BY VOLUME: 0%

% SOLIDS BY WEIGHT: 100%

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE;

CONDITIONS TO AVOID: NOT APPLICABLE (MATERIAL IS STABLE)

INCOMPATIBILITY (MATERIAL TO AVOID): NA

HAZARDOUS DECOMPOSITION PRODUCTS: METAL OXIDE/OXIDES

HAZARDOUS POLYMERIZATION (REACTIVITY): WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE: EYE CONTACT, SKIN CONTACT, INHALATION, INGESTION.

EYES:

ACUTE – MAY CAUSE MILD IRRITATION

CHRONIC – ND

SKIN CONTACT:

ACUTE – TRANSIENT IRRITATION, REDNESS AND DISCOMFORT

CHRONIC – ND

SKIN ABSORPTION:

ACUTE – ND

CHRONIC – ND

INHALATION:

ACUTE – MAY CAUSE IRRITATION. COUGHING OR SHORTNESS OF BREATH MAY RESULT

CHRONIC – ND

INGESTION:

ACUTE – LOW ORDER OF TOXICITY

CHRONIC – ND

CONDITIONS AGGRAVATED BY EXPOSURE: PROLONGED INHALATION OF ANY DUST PARTICULATE MAY AGGRAVATE RESPIRATORY MEDICAL CONDITIONS.

OVEREXPOSURE EFFECTS: IRRITATION

IRRITANCY: YES - REVERSIBLE

SENSITIZER: NO

ACUTE TOXICITY

ACUTE ORAL TOXICITY

LD50, RAT >5,000 mg/kg

SKIN CORROSION/IRRITATION

RABBIT, NON-IRRITANT

SERIOUS EYE DAMAGE/EYE IRRITATION

RABBIT, NON- IRRITATION

SENSITIZATION

DID NOT CAUSE SENSITIZATION IN LABORATORY ANIMALS

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)

EVALUATION OF AVAILABLE DATA SUGGESTS THIS MATERIAL IS NOT AN STOT-SE TOXICANT

SAFETY DATA SHEET

FCEM-DYES

Page 4 of 5

CARCINOGENIC DATA: NTP: NONE **OSHA:** NONE **IARC:** NONE
TERATOGENICITY: NO MUTAGENICITY: NO
EMBRYOTOXICITY: NO SYNERGISTIC MATERIAL: NO

OVEREXPOSURE EFFECTS: LACRIMATION OF EYES, SKIN IRRITATION,
IRRITANCY: YES
SENSITIZER: NO

ACUTE TOXICITY EFFECTS: ND

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

ACUTE TOXICITY TO FISH
ND

ACUTE TOXICITY TO AQUATIC INVERTEBRATES
ND

ACUTE TOXICITY TO ALGAE/AQUATIC PLANTS
ND

TOXICITY TO BACTERIA
ND

PERSISTANCE AND DEGRADABILITY

BIODEGRADABILITY: NOT READILY BIODEGRADABLE

BIOACCUMULATIVE POTENTIAL

BIOACCUMULATION: DOES NOT BIOACCUMULATE

MOBILITY IN SOIL: ND

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: NOT A HAZARDOUS WASTE BY RCRA CRITERIA (40 CFR 261). PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: NOT REGULATED

HAZARD CLASS: NA

UN NUMBER: NA

PACKAGING GROUP: NA

DOT PRODUCT RQ LBS (KGS): NA

HAZARD LABEL: NA

HAZARD PLACARD: NA

ADDITIONAL INFORMATION: NONE

SAFETY DATA SHEET

FCEM-DYES

Page 5 of 5

SECTION 15: REGULATORY INFORMATION

VOC: 0 grams/Liter

TSCA (TOXIC SUBSTANCE CONTROL ACT): ALL COMPONENTS ARE LISTED IN THE TSCA CHEMICAL SUBSTANCE INVENTORY.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION and LIABILITY ACT): ND

SARA TITLE III

SECTION 312 HAZARD CLASS: IMMEDIATE (ACUTE) HEALTH HAZARD, DELAYED (CHRONIC) HEALTH HAZARD

SECTION 313 LISTED INGREDIENTS: NONE ABOVE de Minimus LEVELS

CALIFORNIA PROPOSITION 65: THE BELOW LIST OF COMPOUNDS IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: NONE

SECTION 16: OTHER INFORMATION

INITIAL ISSUE DATE: OCTOBER 18, 2015

REVISION DATE:

PREPARED BY: J.W. ESSIG

HAZARD RATING

HMIS: HEALTH 1 FLAMMABILITY 0 REACTIVITY 0

LEGEND

ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

STEL: SHORT TERM EXPOSURE LIMIT

TWA: TIME WEIGHTED AVERAGE

PEL: PERMISSIBLE EXPOSURE LIMIT

TLV: THRESHOLD LIMIT VALUE

NA: NOT APPLICABLE

NE: NOT ESTABLISHED

ND: NO DATA

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the accuracy of the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects, which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations and orders.