

Safety Data Sheet

Exterior Concrete Dye

Section 1

Product Description
Product Name: Exterior Concrete Dye (all colors)
Recommended Use: Staining concrete
Supplier: Eagle I.F.P. Company, PO Box 100431, Nashville, TN 37224, 615-872-2710
Emergency Phone: INFOTRAC 1-800-535-5035

Section 2 Hazard identification

Cactus, Frost, Midnight, Red Rock, Riviera, & Smoke colors:

Specific Target Organ Acute Toxicity (central nervous system): Category 3

Flammable Liquid: Category 2

Acute Inhalation Toxicity: Category 5

Acute Dermal Toxicity: Category 5



Signal Word:

Danger

Hazard Statements:

H225 Highly flammable liquid and vapor
H313 May be harmful in contact with skin
H333 May be harmful if inhaled
H336 May cause drowsiness or dizziness

Precautionary Statements:

Prevention:

P233 Keep container tightly closed
P261 Avoid breathing mist
P270 Do not eat, drink, or smoke while using this product
P271 Use only outdoors or in a well-ventilated environment
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P284 Upper respiratory protection
P264 Wash skin thoroughly after handling

Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352 IF ON SKIN: Wash with plenty of water
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

Amarillo, Canyon, Guided, Hickory, Java, Saltillo, & Tumbleweed colors:

Flammable Liquid: Category 3

Acute Inhalation Toxicity: Category 5

Acute Dermal Toxicity: Category 5



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Signal Word:

Warning

Hazard Statements:

H226 Flammable liquid and vapor
H313 May be harmful in contact with skin
H333 May be harmful if inhaled

Precautionary Statements:

Prevention:

P233 Keep container tightly closed
P261 Avoid breathing mist
P270 Do not eat, drink, or smoke while using this product
P271 Use only outdoors or in a well-ventilated environment
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P284 Upper respiratory protection
P264 Wash skin thoroughly after handling

Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352 IF ON SKIN: Wash with plenty of water
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

Painted Desert color:

Specific Target Organ Acute Toxicity (central nervous system): Category 3

Flammable Liquid: Category 2

Acute Dermal Toxicity: Category 5



Signal Word:

Warning

Hazard Statements:

H225 Highly flammable liquid and vapor
H313 May be harmful in contact with skin
H336 May cause drowsiness or dizziness

Precautionary Statements:

Prevention:

P233 Keep container tightly closed
P220 Keep/Store away from clothing
P261 Avoid breathing mist
P270 Do not eat, drink, or smoke while using this product
P271 Use only outdoors or in a well-ventilated environment
P273 Avoid release to the environment

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P280 Wear protective gloves/protective clothing/eye protection/face protection.

P284 Upper respiratory protection

P264 Wash skin thoroughly after handling

Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352 IF ON SKIN: Wash with plenty of water

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

Section 3 Composition/ Information on Ingredients

Color	Component	CAS No.	US AIHA	ACGIH(TLV-TWA)	Weight %
Amarillo	Glycol Ether PM Acetate	108-65-6	50 ppm	Not Established	30.0 – 50.0
	Yellow Oxide Pigment	51274-00-1	Not Established	Not Established	25.0 – 35.0
	Burnt Umber Pigment	12713-03-0	Not Established	Not Established	25.0 – 35.0
Cactus	Glycol Ether PM Acetate	108-65-6	50 ppm	Not Established	15.0 – 25.0
	t-Butyl Acetate	540-88-5	Not Established	200 ppm	40.0 – 50.0
	Phthalo Green Pigment	1328-53-6	Not Established	Not Established	20.0 – 30.0
	Yellow Oxide Pigment	51274-00-1	Not Established	Not Established	5.0 – 10.0
Canyon	Carbon Black Pigment	1333-86-4	Not Established	Not Established	2.0 – 4.0
	Glycol Ether PM Acetate	108-65-6	50 ppm	Not Established	41.4 – 48.3
	Red Oxide Pigment	1309-37-1	Not Established	Not Established	0.0 – 7.0
Frost	Yellow Oxide Pigment	51274-00-1	Not Established	Not Established	20.7 – 27.6
	Glycol Ether PM Acetate	108-65-6	50 ppm	Not Established	1.0 – 10.0
	t-Butyl Acetate	540-88-5	Not Established	200 ppm	50.0 – 60.0
Guided	Titanium Dioxide Pigment	13463-67-7	Not Established	Not Established	30.0 – 40.0
	Glycol Ether PM Acetate	108-65-6	50 ppm	Not Established	30.0 – 40.0
Hickory	Yellow Oxide Pigment	51274-00-1	Not Established	Not Established	60.0 – 70.0
	Glycol Ether PM Acetate	108-65-6	50 ppm	Not Established	50.0 – 60.0
	Red Oxide Pigment	1309-37-1	Not Established	Not Established	15.0 – 25.0
Java	Yellow Oxide Pigment	51274-00-1	Not Established	Not Established	15.0 – 25.0
	Black Oxide Pigment	1317-61-9	Not Established	Not Established	15.0 – 25.0
	Glycol Ether PM Acetate	108-65-6	50 ppm	Not Established	30.0 – 40.0
Midnight	Red Oxide Pigment	1309-37-1	Not Established	Not Established	20.0 – 30.0
	Yellow Oxide Pigment	51274-00-1	Not Established	Not Established	20.0 – 30.0
	Black Oxide Pigment	1317-61-9	Not Established	Not Established	20.0 – 30.0
Painted Desert	Glycol Ether PM Acetate	108-65-6	50 ppm	Not Established	20.0 – 30.0
	t-Butyl Acetate	540-88-5	Not Established	200 ppm	40.0 – 50.0
	Red Oxide Pigment	1309-37-1	Not Established	Not Established	20.0 – 30.0
	Yellow Oxide Pigment	51274-00-1	Not Established	Not Established	5.0 – 15.0
Red Rock	Black Oxide Pigment	1317-61-9	Not Established	Not Established	5.0 – 10.0
	Glycol Ether PM Acetate	108-65-6	50 ppm	Not Established	10.0 – 20.0
	t-Butyl Acetate	540-88-5	Not Established	200 ppm	40.0 – 50.0
Riviera	Red Oxide Pigment	1309-37-1	Not Established	Not Established	25.0 – 35.0
	Black Oxide Pigment	1317-61-9	Not Established	Not Established	5.0 – 10.0
	Glycol Ether PM Acetate	108-65-6	50 ppm	Not Established	20.0 – 30.0
	t-Butyl Acetate	540-88-5	Not Established	200 ppm	40.0 – 50.0
Saltillo	Phthalo Blue Pigment	1309-37-1	Not Established	Not Established	20.0 – 30.0
	Black Oxide Pigment	1317-61-9	Not Established	Not Established	5.0 – 10.0
	Glycol Ether PM Acetate	108-65-6	50 ppm	Not Established	20.0 – 30.0
Smoke	Red Oxide Pigment	1309-37-1	Not Established	Not Established	40.0 – 50.0
	Yellow Oxide Pigment	51274-00-1	Not Established	Not Established	40.0 – 50.0
	Glycol Ether PM Acetate	108-65-6	50 ppm	Not Established	10.0 – 20.0
Tumbleweed	t-Butyl Acetate	540-88-5	Not Established	200 ppm	50.0 – 60.0
	Titanium Dioxide Pigment	13463-67-7	Not Established	Not Established	15.0 – 25.0
	Carbon Black Pigment	1333-86-4	Not Established	Not Established	15.0 – 25.0
	Glycol Ether PM Acetate	108-65-6	50 ppm	Not Established	45.0 – 55.0
Tumbleweed	Red Oxide Pigment	1309-37-1	Not Established	Not Established	15.0 – 25.0
	Yellow Oxide Pigment	51274-00-1	Not Established	Not Established	10.0 – 20.0
	Black Oxide Pigment	1317-61-9	Not Established	Not Established	5.0 – 15.0

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Section 4 First Aid Measures

Emergency First Aid Procedures

Skin: Remove contaminated clothing and wash the affected area with soap and water. Call a physician if skin irritation persists.

Eyes: Immediately flush with plenty of water. After initial rinsing, remove contacts (if present) and continue rinsing for 15 more minutes. If symptoms persist, call a physician.

Inhalation: Remove to fresh air. Administer artificial respiration if necessary. Call a physician if symptoms persist.

Ingestion: DO NOT induce vomiting. Rinse mouth thoroughly with water. Drink plenty of water dilute the material. Never give anything by mouth to an unconscious person. Consult a physician.

Section 5 Firefighting Procedures

Extinguishing Media: Dry chemical, alcohol-resistant foam, water spray, or CO2

Flammable Limits (% volume in air for solvents):

Amarillo, Canyon, Guided, Hickory, Java, Saltillo, and Tumbleweed: **LEL:** Not Determined **UEL:** Not Determined

Cactus, Frost, Midnight, Painted Desert, Red Rock, Riviera, and Smoke: **LEL:** 1.26 **UEL:** 6.88

Special Fire Fighting Procedures: Keep material and container away from sources of ignition. Use SCBA when fighting fire.

Section 6 Spill or Leak Procedures

Small Spills: Spills may be absorbed using inert materials and shoveled into properly-labeled containers. Take precautionary measures against static discharge.

Large Spill Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup: Spills may be absorbed using inert materials and shoveled into properly-labeled containers. Take precautionary measures against static discharge. Prevent runoff from entering surface waters. Notify proper authorities if runoff should occur.

Disposal Regulatory Requirements: Follow applicable Federal, state, and local regulations.

Container Cleaning and Disposal: Containers must not be washed out or used for other purposes. Do not weld or flame cut empty containers.

Waste Codes: D001.

Section 7 Handling and Storage

Normal Handling: Keep away from heat or ignition sources. Use only in well ventilated areas. Never pierce, saw, cut, grind, or weld empty containers.

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.

Section 8 Protection Information

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an OSHA/NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contaminations, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact.

Eye Protection: Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 Physical Data

Appearance: Colored liquid

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Odor: Acetate

Odor Threshold: No data available

pH: N/A

Melting Point: Not determined

Freezing Point: <32° F

Boiling Point: 215° F (102 °C)

Flash Point:

Amarillo: 114° F

Cactus: 40° F

Canyon: 114° F

Frost: 40° F

Guilford: 114° F

Hickory: 114° F

Java: 114° F

Midnight: 40° F

Painted Desert: 40° F

Red Rock: 40° F

Riviera: 40° F

Saltillo: 114° F

Smoke: 40° F

Tumbleweed: 114° F

Evaporation Rate: Not determined

Flammability (solid, gas): Combustible liquid

Upper/lower Flammability: N/A

Vapor Pressure: Not determined

Vapor Density: Not determined

Relative Density: 1.01-1.11

Water Solubility: 100%

Partition Coefficient: No data available

Auto-ignition Temperature: N/A

Decomposition temperature: Not determined

Viscosity: Not determined

Specific Gravity (H2O=1, at 4 °C): 0.97-1.44

Section 10 Reactivity Data

Reactivity: Stable under normal conditions.

Conditions to avoid: Heat, open flame, reactive metals, and strong oxidizers.

Incompatibility (Materials to Avoid): None known.

Hazardous Decomposition (Byproducts): May emit toxic fumes under fire conditions.

Hazardous Polymerization: Will not occur.

Section 11 Toxicity Data

Routes of Exposure: Inhalation, ingestion, eyes, and skin.

Acute Toxicity Estimates (ATE):

Amarillo	LC50 (inhl) 4345 mg/m3 LD50 (oral) 8500 mg/kg LD50 (skin) 5000 mg/kg	Midnight:	LC50 (inhl) 27.7 mg/m3 LD50 (oral) 6098 mg/kg LD50 (skin) 2849 mg/kg
Cactus:	LC50 (inhl) 26.5 mg/m3 LD50 (oral) 5988 mg/kg LD50 (skin) 2809 mg/kg	Painted Desert:	LC50 (inhl) 30.8 mg/m3 LD50 (oral) 6289 mg/kg LD50 (skin) 2950 mg/kg
Canyon:	LC50 (inhl) 4345 mg/m3 LD50 (oral) 8500 mg/kg LD50 (skin) 5000 mg/kg	Red Rock:	LC50 (inhl) 26.0 mg/m3 LD50 (oral) 5952 mg/kg LD50 (skin) 2786 mg/kg
Frost:	LC50 (inhl) 22.7 mg/m3 LD50 (oral) 5848 mg/kg LD50 (skin) 2667 mg/kg	Riviera:	LC50 (inhl) 26.7 mg/m3 LD50 (oral) 6024 mg/kg LD50 (skin) 2817 mg/kg
Guilford:	LC50 (inhl) 4345 mg/m3 LD50 (oral) 8500 mg/kg LD50 (skin) 5000 mg/kg	Saltillo:	LC50 (inhl) 4345 mg/m3 LD50 (oral) 8500 mg/kg LD50 (skin) 5000 mg/kg
Hickory:	LC50 (inhl) 4345 mg/m3 LD50 (oral) 8500 mg/kg LD50 (skin) 5000 mg/kg	Smoke:	LC50 (inhl) 24.8 mg/m3 LD50 (oral) 5882 mg/kg LD50 (skin) 2740 mg/kg
Java:	LC50 (inhl) 4345 mg/m3 LD50 (oral) 8500 mg/kg LD50 (skin) 5000 mg/kg	Tumbleweed:	LC50 (inhl) 4345 mg/m3 LD50 (oral) 8500 mg/kg LD50 (skin) 5000 mg/kg

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Skin Contact: May cause skin irritation. Prolonged or repeated exposure can defat the skin.

Eye Contact: May cause temporary eye irritation.

Inhalation: May depress the central nervous system, causing dizziness and/or drowsiness.

Ingestion: May cause irritation of the skin inside the mouth, nausea, or stomach cramps/discomfort.

Carcinogen: No.

Aggravation of Pre-existing Conditions: Inhalation of fumes may aggravate existing lung problems.

Section 12 Ecological Data

Aquatic Toxicity (calculated):

Amarillo:	LC50 (fish) 161 mg/L LC50 (inv.) 408 mg/L EC50 (plants) No Data Available	Midnight:	LC50 (fish) No Data Available LC50 (inv.) No Data Available EC 50 (plants) No Data Available
Cactus:	LC50 (fish) No Data Available LC50 (inv.) No Data Available EC50 (plants) No Data Available	Painted Desert:	LC50 (fish) No Data Available LC50 (inv.) No Data Available EC50 (plants) No Data Available
Canyon:	LC50 (fish) 161 mg/L LC50 (inv.) 408 mg/L EC50 (plants) No Data Available	Red Rock:	LC50 (fish) No Data Available LC50 (inv.) No Data Available EC50 (plants) No Data Available
Frost:	LC50 (fish) No Data Available LC50 (inv.) No Data Available EC50 (plants) No Data Available	Riviera:	LC50 (fish) No Data Available LC50 (inv.) No Data Available EC50 (plants) No Data Available
Guided:	LC50 (fish) 161 mg/L LC50 (inv.) 408 mg/L EC50 (plants) No Data Available	Saltillo:	LC50 (fish) 161 mg/L LC50 (inv.) 408 mg/L EC50 (plants) No Data Available
Hickory:	LC50 (fish) 161 mg/L LC50 (inv.) 408 mg/L EC50 (plants) No Data Available	Smoke:	LC50 (fish) No Data Available LC50 (inv.) No Data Available EC50 (plants) No Data Available
Java:	LC50 (fish) 161 mg/L LC50 (inv.) 408 mg/L EC50 (plants) No Data Available	Tumbleweed:	LC50 (fish) 161 mg/L LC50 (inv.) 408 mg/L EC50 (plants) No Data Available

Persistence and Degradability: No data available

Bioaccumulation Potential: Very low potential for bioaccumulation

Mobility in the Soil: Low mobility in soil

Other Adverse Effects: None

Section 13 Disposal Information

Waste Disposal Method: Dispose of material in accordance with all Federal, State, and Local regulations.

Section 14 Transport Information

US DOT Domestic Ground:

Amarillo, Canyon, Guided, Hickory, Java, Saltillo, & Tumbleweed:

Proper Shipping Name: Non-Regulated Material

Hazard Class: N/A

UN: N/A

Packing Group: N/A

Cactus, Frost, Midnight, Painted Desert, Red Rock, Riviera, & Smoke:

Proper Shipping Name: Paint

Hazard Class: 3

UN: UN1263

Packing Group: II

Marine Pollutant: No.

IATA:

Proper Shipping Name: Paint (All Colors)

Hazard Class: 3 (All Colors)

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UN: 1263 (All Colors)

Packing Group: III (Amarillo, Canyon, Guilded, Hickory, Java, Saltillo, & Tumbleweed colors)
II (Cactus, Frost, Midnight, Painted Desert, Red Rock, Riviera, & Smoke colors)

IMDG:

Proper Shipping Name: Paint (All Colors)

Hazard Class: 3 (All Colors)

UN: 1263 (All Colors)

Packing Group: III (Amarillo, Canyon, Guilded, Hickory, Java, Saltillo, & Tumbleweed colors)
II (Cactus, Frost, Midnight, Painted Desert, Red Rock, Riviera, & Smoke colors)

Section 15 Regulatory Information

RCRA Hazardous Waste Number (40 CFR 261.33): D001

SARA 313

No

SARA311/312

Yes (Acute, Fire)

State Regulations: None

California Prop. 65: None of these products contain chemical(s) known to the state of California to cause cancer and/or birth defects.

Section 16 Additional Information

The regulatory information provided is not intended to be comprehensive. Other Federal, State and Local regulations may apply to this material.

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