



Safety Data Sheet [SDS]



STAIN COLOR CONCENTRATE

Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

1. Substance/ Preparation and Company Identification

Name of the Product: Stain Color Concentrate
Other Means of Identification: Waterborne acrylic/urethane colorant

Recommended Use: This is the colorant portion of the water-based Decorative Concrete Stains. To be mixed with Stain Base. Applied to concrete, acrylic overlay systems, and porous stone.

Company: Preferred Deck Systems
 7534 W. Madison St.
 Tolleson, AZ 85353.

Company Phone Number: 888.440.3320
Fax: 623.474.2251
Emergency Phone Number: 888.440.3320

Available in 20 Standard Colors: Antique Gray, Black, Charcoal Gray, Dark Walnut, Desert Trail, Diego Buff, Emerald, Ocean, Ochre, Orange, Plum, Roasted Pecan, Ruby, Rustic Red, Sage, Sandy Beige, Slate Gray, Teal, Terra-Cotta Clay, and White.

2. Hazards Identification

Hazard	Category	Signal Word	Hazard statement	Symbol
Physical Hazards	None, not flammable	None	None	None
Health Hazards Acute Toxicity	5	Warning	H303, May be harmful if swallowed	None
Skin Corrosion /Irritation	2	Warning	H315: Causes skin irritation	Exclamation Mark
Eye Irritation	2A	Warning	H319, Causes Serious Eye irritation	Exclamation Mark
Aspiration Hazard	2	Warning	H305, May be harmful if swallowed and enters airways	Health Hazard

Emergency Overview:

Warning! Contains petroleum distillates that can cause chemical pneumonia if aspirated into the lungs as a liquid. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Eye and skin contact will result in irritation.

Route of Entry: Inhalation: yes. Skin: yes. Ingestion: yes.

Carcinogenicity: NTP: no. IARC: no. OSHA: no.

Reproductive Toxicity: No reproductive toxicants over 1% in formula.

Specific Target Organ Systemic Toxicity (TOST): Single Exposure: Irritating to the skin and eyes and respiratory tract. Prolonged exposure will affect the nervous system, causing nervous system depression.

Effects of Exposure:

Acute: Eye: H319: Causes serious eye irritation.

Skin: Category 2. Causes Skin Irritation. Reversible adverse effects in dermal tissue within the observation period, usually 14 days.

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea and headache. High concentrations may result in narcosis (central nervous system depression). Intentional inhalation in concentrated form (huffing) may lead to brain damage and death.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and effects of overexposure.

Signs and Symptoms of Overexposure:

Health hazard: Diarrhea. Aspiration of material into lungs can cause chemical pneumonia which can be fatal.

Medical Conditions Aggravated by Exposure: Asthma.

LABELING:

Product identifier: Stain Color Concentrate, 20 different colors

Signal word: Warning

Hazard statements: H303, May be harmful if swallowed. H315, Causes skin irritation. H319, Causes Serious Eye irritation. H305, May be harmful if swallowed and enters airways. Causes Skin and Eye Irritation. Do not breathe vapors or mist. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

FIRST AID:

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops and persists.

COMPANY NAME: Preferred Deck Systems LLC

ADDRESS: 7534 W. Madison St.

Tolleson, AZ 85353

Phone number: 623.474.2210

HAZARDS: (Liquid) Serious skin and eye irritant.

Pictograms on the label:



Warning: May cause damage to central nervous system through prolonged or repeated inhalation.

Warning: Aspiration Hazard: May be harmful if swallowed and enters airways

Warning: May cause respiratory irritation when inhaled.

Hazard Statements

H303	May be harmful if swallowed
H315	Causes Skin irritation
H319	Causes Serious Eye Irritation
H305	May be harmful if swallowed and enters airways.

Precautionary Statements

P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P305 +P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. If present and easy to do. Continue rinsing.

Supplemental Label Elements

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY (when sold by itself – not in Stain Base.) Please refer to SDS for additional information. Keep out of reach of children. Do not transfer to other containers for storage.

3. Composition/ Information on Hazardous Ingredients

Substance/mixture	Mixture
Other means of identification	Not available

CAS number/other ingredients

Hazardous Ingredients	CAS#	% by weight
2-Butoxy Ethanol	111-76-2	<10
Ethoxylated Alcohol	84133-50-6	<5
Talc	14807-96-6	>25-<50
Polyethylene Glycol	25322-68-3	>10 - <25
Lecithins, soya	8030-76-0	<3
N-butyldiethanolamin	102-79-4	<2.3
Iron Oxide	1309-37-1	>50 - <75
Alkoxylated Alcohol Derivative	Proprietary	1-3%
Titanium Dioxide	13463-67-7	<5

Any concentration shown as a range is to protect the confidentiality or is due to batch variation. Ingredients vary by color.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

4. First Aid Measures

General Information: Discard contaminated clothing immediately.

Eye: Flush with clean, lukewarm water for at least 15 minutes, occasionally lifting eyelids.

Obtain medical attention.

Skin: Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.

Inhalation: Remove to fresh air. Apply artificial respiration/administer oxygen if necessary. Call physician immediately. If person is unconscious, transport affected person in reclined position.

Ingestion: Keep person warm and quiet. Get immediate medical attention. Do not induce vomiting because of risk of aspiration of material into lungs. Drink several glasses of water to dilute the product in the stomach.

5. Fire Fighting Measures

Flammability Summary (OSHA): Not Flammable

Flash Point Method: Setaflash

Flash Point: Greater than 200F (93C) (Setaflash).

Upper Flammable/Explosive Limit, % in air: Not Found

Lower Flammable/Explosive Limit, % in air: Not Found

When dry the product can be made to burn:

Upper Flammable /explosive limit, % in air: NA

Lower Flammable / explosive limit, % in air: NA

Unusual Fire/Explosion Hazards: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame.

Closed containers may explode when exposed to fire due to pressure buildup.

Extinguishing Media: Use water fog, foam, carbon dioxide or chemical fire fighting apparatus.

Fire Fighting Instructions: Wear NIOSH/MSHA approved SCBA and full protective equipment. Do not use full pressure water jet.

Water spray may be used for cooling containers to prevent possible pressure build up and auto ignition/explosion when exposed.

Guard against toxic gasses released by fire. If safe, remove containers from fire zone.

Products of Combustion: Carbon Dioxide, Carbon Monoxide, Water Vapor.

6. Accidental Release Measures

Slip and fall hazard when the coating is wet. Evacuate the area of all unnecessary personnel. Ventilate area. Equip employees with appropriate protective equipment. Dike around spilled material. Cover spill with inert/absorbent material and shovel into container.

Remove containers to safe area and seal. Use sand or absorbent to collect material and to prevent flow into storm water or ground.

Waste Disposal Methods: Waste material must be disposed of in accordance with federal, state and local environmental regulatory controls.

7. Handling and Storage

Advice on safe handling

Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/spray.

General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place.

Incompatible materials

Strong bases. Strong oxidizing agents. Strong acids.

Other Precautions

Clean up spills quickly to prevent slipping on the wet surface.

8. Exposure Controls and Personal Protection

Control Parameters

Occupational exposure limits (OSHA United States)

Ingredient Name	CAS #	Exposure Limits
Talc	14807-96-6	NIOSH REL (United States, 10/2016) TWA: 2 mg/m ³ 10 hours. Form: Respirable fraction ACGIH TLV United States, 3/2020) TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction
Iron Oxide	1309-37-1	NIOSH REL (United States, 10/2020) TWA: 5 mg/m ³ (A Fe) 10 hours. Form: Dust and fumes OSHA PEL (United States, 5/2018) TWA: 10 mg/m ³ 8 hours. Form: Fume TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV United States, 1/2021) TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction
Polyethylene Glycol	25322-68-3	AIHA WEEL (United States, 7/2018) TWA: 10 mg/m ³ 8 hours.
Titanium Dioxide	13463-67-7	ACGIH TLV United States, 1/2021) TWA: 10 mg/m ³ 8 hours. OSHA PEL (United States, 5/2018) TWA: 15 mg/m ³ 8 hours. Form: Total dust

Lecithins, soya	8030-76-0	None
Ethoxylated Alcohol	84133-50-6	None
N-butylldiethanolamine	102-79-4	None

Respiratory Protection: Use NIOSH/MSHA approved self-contained breathing apparatus where vapor concentration may be above TLV limits. Below TLV limits use NIOSH/MSHA approved vapor respirator or an airline respirator with escape bottle provisions

Ventilation: Local exhaust must be sufficient to keep airborne vapor concentrations below TLV limit. Exhaust air may need to be cleaned by scrubbers

Protective Gloves: Chemical resistant gloves

Eye Protection: Chemical workers' goggles

Other Protective Equipment

Eye bath and safety shower: To prevent repeated or prolonged skin contact wear impervious clothing and boots.

Work Hygiene Practices: Wash hands and clothing after exposure.

Supplemental Safety and Health: First aid procedures: Vomit can cause chemical pneumonia which can be fatal.

Ventilation: Filters to reduce environmental contamination.

Effects of overexposure: Irritating to respiratory system. Mild, reversible liver effects, liver abnormalities.

9. Physical and Chemical Properties

Physical state/ appearance: Liquid

Color: opaque – differs with each of the 20 colors

Odor: slight amine-like odor

Odor threshold: Not established

Solubility in water: Partially soluble in water

pH Value: 7.6 to 9.8 depending on color

Melting point: Not established

Evaporation rate: Not established

Freezing point: 0 degrees C

Initial boiling point/range: 100C (212F)

Flash point: Closed cup: 122 °C / 252 °F

Evaporation rate: 0.09 (butyl acetate = 1)

Flammability (solid, gas): Not established

Flammability limit in air upper flammability limit: Not established

Lower flammability limit: Not established

Vapor pressure: 2.3 kPa (17.5 mm Hg) [at 20 C]

Vapor density: 1 [Air = 1]

Relative Density: Depends on color. 1.35 – 1.94

Density (lbs per US gallon): Depends on color. 9.1-11.55

Auto ignition Temperature: Not established

10. Stability and Reactivity

Stability and Reactivity Summary: Stable under normal conditions

Reactive Properties: Strong acids and bases will attack the polymer.

Sensitivity to mechanical shock: None

Hazardous Polymerization: Will not occur

Conditions to Avoid: Do not heat closed containers

Chemical Incompatibility: Strong oxidizing agents

Hazardous Decomposition Products: CO, CO₂

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Not available

Irritation/ Corrosion

Product/ Ingredient Name	Result	Species	Score	Exposure	Observation
Talc	Skin – Mild irritant	Human	-	72 hrs 300 ug I	-
Polyethylene Glycol	Eyes – Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes – Mild irritant	Rabbit	-	500 mg	-
	Skin – Mild irritant	Rabbit	-	24 hrs 500 mg	-
	Skin – Mild irritant	Rabbit	-	500 mg	-
Titanium Dioxide	Skin – Mild irritant	Human	-	72 hrs 300 µg/l	-

Sensitization - Not available**Mutagenicity** - Not available**Carcinogenicity** - Not available**Classification**

Product/ Ingredient Name	OSHA	IARC	NTP
Talc	-	3	-
Iron Oxide	-	3	-
Titanium Dioxide	-	2B	-

Reproductive Toxicity

Not available

Teratogenicity

Not available

Specific target organ toxicity (single exposure)

Not available

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Talc	Category 1	Inhalation	lungs

Numerical measures of toxicity - Product Information

UNKNOWN ACUTE TOXICITY .0001% of the mixture consists of ingredient(s) of unknown toxicity.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Skin corrosion/irritation:** Not applicable**Serious eye damage/eye irritation:** Causes serious eye irritation**Skin sensitization:** Not applicable**Respiratory sensitization:** Not applicable**Germ cell mutagenicity:** Not applicable**Carcinogenicity:** Not applicable**Reproductive Toxicity:** Not applicable**Specific target organ toxicity (single exposure):** Not applicable**Specific target organ toxicity (repeated exposure):** Not applicable**Aspiration hazard:** Not applicable**Information on likely routes of exposure****Eye contact** - Causes serious eye irritation**Skin Contact** - Not applicable**Ingestion** - Not applicable**Inhalation** - Not applicable

Numerical measures of toxicity - Component Information

Varies by color

Chemical Name	Result	Species	LD50 Oral	LC50 Inhalation	LD50 Dermal
2-Butoxy ethanol			745 mg/kg	550ppm 4 hours	1250 mg/kg
Alkoxylated Alcohol Derivative	-	Rat	-	-	-
N-butyl-diethanolamine	LD50 Oral	Rat	4250 mg/kg		

12. Ecological Information

Toxicity:

Product/ Ingredient Name	Result	Species	Exposure
Polyethylene Glycol	Acute LC50.1000000 µg/l Fresh water	Fish – Salmo salar – Parr	96 hours
Titanium Dioxide	Acute LC50.1000000 µg/l Marine water	Fish – Fundulus heteroclitus	96 hours

Persistence and degradability

Not available

Bioaccumulative Potential

Product/ Ingredient Name	LogP ow	BCF	Potential
Polyethylene Glycol	-	3.2	low

Toxicity to fish:

Hazardous Ingredients	CAS#	Percent / wgt	LC50 Oncorhynchus mhykiss (rainbow trout)
2-Butoxy ethanol	111-76-2	<10	1474 mg/l 96h

Ecotoxicity

Environmental precautions. Prevent product from entering drains

Persistence and degradability: No information available**Bioaccumulation:** No information available**Mobility:** No information available**Other adverse effects:** No information available**Environmental Toxicity:**

Some parts are not persistent in the environment. Ecotoxicity Classification criteria is between 1 and 100 for some of the ingredients. Most ingredients are carbon based and are eventually degraded by bacteria when placed in water or soil.

13. Disposal Considerations

Care must be taken to avoid environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws.

Waste Disposal Summary: Dispose as a hazardous chemical.**Disposal Methods:** Dispose of in accordance with local, state and federal regulations. Incineration is preferred.

14. Transport Information

US Ground (DOT): Not regulated for transportation.**IMO:** Not regulated for transportation.**Canada (TDG):** Not regulated for transportation.**IATA/ICAO:** Not regulated for transportation.

15. Regulatory Information

UNITED STATES:

Toxic Substances Control Act (TSCA): The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

Superfund Amendments and Reauthorization Act (SARA) Title III: None present.

Sections 311/312 Hazard Categories (40 CFR 370.2):

Immediate/Acute Health Hazard: Yes

Fire Hazard: No

Reactivity Hazard: No

Delayed/Chronic Health Hazard: No

Pressure Hazard: No

Federal and State Regulations:

California Prop 65:

WARNING: This product contains chemicals that have been determined by the State of California to cause cancer and birth defects or other reproductive harm

HMIS (U.S.A.):

Health Hazard: 2

Flammability: 0

Physical hazards: 0

Personal Protection: X

16. Other Information

This information should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to its use. No warranties of any kind neither express nor implied, including warranties of merchantability or fitness for a particular purpose are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, information, data and designs furnished by Preferred Deck Systems hereunder are given gratis, and Preferred Deck Systems assumes no obligation or liability for the description, information, data and designs given or results obtained, all such being given and accepted at your risk. We believe this information to be reliable and up to date as of its publication date but make no warranty that it is. If this SDS is more than one year old, you should contact Preferred Deck to make sure that the information is still current.

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