

# SAFETY DATA SHEET



## Section 1. Product and Company Identification

PRODUCT NAME: ColorPac

PRODUCT USE: Pigmented Iron Oxide Integral Colorant

EFFECTIVE DATE: October 2021

MANUFACTURER  
INFORMATION:



Green Umbrella  
20 Jetview Drive Rochester, NY 14624  
(844) 200-7336

EMERGENCY PHONE  
NUMBER:

For Hazardous Materials [or Dangerous Goods]  
Incident Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC 24 Hours  
1-800-424-9300 / +1 703-527-3887      CCN: 871558

## Section 2. Hazard Identification

HAZCOM STANDARD STATUS: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), the SDS contains valuable information critical to the safe handling and proper use of the product. The SDS should be retained and available for employees and other users of this product.

PHYSICAL STATE: Powder.

COLOR: Brown.

CLASSIFICATION OF THE  
SUBSTANCE OR MIXTURE: Not classified.

SIGNAL WORD: No signal word.

HAZARD STATEMENTS: No known significant effects or critical hazards.

HAZARD NOT OTHERWISE  
CLASSIFIED (HNOC)  
PRECAUTIONARY STATEMENTS: None known.

PREVENTION: Not applicable.

RESPONSE: Not applicable.

### Section 3. Composition/Information On Ingredients

CAS No.: 51274-00-1 EINECS No.: 257-098-5	Iron Oxide Yellow Pigment	0 - 100%
CAS No.: 1309-37-1 EINECS No.: 215-168-2	Iron Oxide Red Pigment	0 - 100%
CAS No.: 1317-61-9 EINECS No.: 215-277-5	Iron Oxide black Pigment	0 - 100%
CAS No.:72608-12-9,1317-65-3	Limestone	0 - 100%
CAS No.: 1317-60-8	Iron Oxide /Natural	0 - 100%

CHEMICAL CHARACTERIZATION:	Synthetic iron oxide $Fe_2O_3 \cdot H_2O$ ( $\alpha$ -FeOOH), C. I. Pigment YELLOW 42 / $Fe_2O_3 \cdot nH_2O$ , C. I. Pigment RED 101/ $Fe_3O_4$ , C. I. Pigment BLACK 11
REGISTRATION NUMBER IN REACH:	01-2119457554-33-0012 / 01-2119457614-35-0039 / 01-211945764628-0012
SUBSTANCE/MIXTURE:	Substance

### Section 4. First Aid Measures

EYE CONTACT:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SKIN CONTACT:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
INHALATION:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
INGESTION:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
<b>POTENTIAL ACUTE HEALTH EFFECTS:</b>	
EYE CONTACT:	May cause mechanical irritation (abrasion).
INHALATION:	No known significant effects or critical hazards.

## Section 4. First Aid Measures (Continued)

SKIN CONTACT:	May cause mechanical irritation (abrasion).
INGESTION:	No known significant effects or critical hazards.
<b>OVER-EXPOSURE SIGNS/SYMPTOMS:</b>	
EYE CONTACT / INHALATION / SKIN CONTACT:	No specific data.
INGESTION:	No specific data.
POTENTIAL CHRONIC HEALTH EFFECTS:	No known significant effects or critical hazards.
NOTES TO PHYSICIAN:	Treat symptomatically. No specific treatment.
PROTECTION OF FIRST-AIDERS:	No special measures required.

## Section 5. Fire Fighting Measures

<b>EXTINGUISHING MEDIA:</b>	
SUITABLE EXTINGUISHING MEDIA:	Use an extinguishing agent suitable for the surrounding fire. In case of fire, use water spray (fog), foam or dry chemical.
UNSUITABLE EXTINGUISHING MEDIA:	None known.
SPECIAL HAZARDS ARISING FROM THE CHEMICAL:	No specific fire or explosion hazard.
HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:	No specific data.
SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing dust. Put on appropriate personal protective equipment.
ENVIRONMENTAL PRECAUTIONS:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:	Move containers from spill area. Approach release from upwind. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor.
REFERENCE TO OTHER SECTIONS:	See Section 1 for emergency contact information. See Section 13 for waste disposal. Prevent entry into sewers, water courses, basements or confined areas.

## Section 7. Handling and Storage

<b>HANDLING:</b>	
PRECAUTIONS FOR SAFE HANDLING:	Avoid breathing dust. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
<b>STORAGE:</b>	
CONDITIONS FOR SAFE STORAGE:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Empty containers or liners may retain some product residues.

## Section 8. Exposure Control/Personal Protection

OCCUPATIONAL EXPOSURE LIMITS:	No exposure limit value known.
APPROPRIATE ENGINEERING CONTROLS:	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
<b>PERSONAL PROTECTION:</b>	
HYGIENE MEASURES:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
RESPIRATORY PROTECTION:	Dust-protection mask.
SKIN PROTECTION:	Wear suitable protective clothing and gloves. Suitable protective footwear.
EYE/FACE PROTECTION:	If contact with product is possible, wear safety glasses with side shields.
MEDICAL SURVEILLANCE:	Not available.

## Section 9. Physical and Chemical Properties

<b>Physical State</b>	Solid (Powder)	<b>Vapor Pressure</b>	Not Available
<b>Color</b>	Brown	<b>Density</b>	Not Available
<b>Odor</b>	Odorless	<b>Specific Gravity</b> (Relative Density)	Not Available
<b>Odor Threshold</b>	Not Available	<b>Solubility</b>	Insoluble in the following Materials: cold water
<b>pH</b>	3-9	<b>Partition coefficient:octanol/Water</b>	Not Available
<b>Boiling Point</b>	Not Available	<b>Vapor Denisty</b>	Not Available
<b>Melting Point</b>	Not Available	<b>Viscosity</b>	Not Available
<b>Flash Point</b>	Not Available	<b>Auto-ignition Temp</b>	Not Available
<b>Evaporation Rate</b>	Not Available	<b>Decomposition Temp</b>	Not Available
<b>Explosion Limits</b>	Not Available	<b>Explosion Limits</b>	Not Available

## Section 10. Stability and Reactivity

REACTIVITY:	No specific test data related to reactivity available for this product or its ingredients.
CHEMICAL STABILITY:	This product is stable.
POSSIBILITY OF HAZARDOUS REACTIONS:	Under normal conditions of storage and use, hazardous reactions will not occur.
CONDITIONS TO AVOID:	No specific data.
INCOMPATIBLE MATERIALS:	No specific data.
HAZARDOUS DECOMPOSITION PRODUCTS:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological Information

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:	Dermal contact. Eye contact. Inhalation Ingestion.
<b>POTENTIAL ACUTE HEALTH EFFECTS:</b>	
EYE CONTACT:	May cause mechanical irritation (abrasion).
INHALATION:	No known significant effects or critical hazards.
SKIN CONTACT:	May cause mechanical irritation (abrasion).
INGESTION:	No known significant effects or critical hazards.
<b>SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL &amp; TOXICOLOGICAL CHARACTERISTICS:</b>	
EYE CONTACT:	No specific data.
INHALATION:	No specific data.
SKIN CONTACT:	No specific data.
INGESTION:	No specific data.
<b>POTENTIAL CHRONIC HEALTH EFFECTS:</b>	
SHORT TERM EXPOSURE/ POTENTIAL IMMEDIATE EFFECTS:	Not available.

## Section 11. Toxicological Information (Continued)

### LONG TERM EXPOSURE:

POTENTIAL DELAYED EFFECTS:	Not Available
GENERAL:	No known significant effects or critical hazards.
CARCINOGENICITY:	No known significant effects or critical hazards.
MUTAGENICITY:	No known significant effects or critical hazards.
TERATOGENICITY:	No known significant effects or critical hazards.
DEVELOPMENTAL EFFECTS:	No known significant effects or critical hazards.
FERTILITY EFFECTS:	No known significant effects or critical hazards.

### INFORMATION ON TOXICOLOGICAL EFFECTS:

### ACUTE TOXICITY:

PRODUCT/ INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE	TEST
C.I.Pigment black 11	LD50 Oral	Rat-Male,Female	>5000 mg/kg	-	-
C.I.Pigment yellow 42	LD50 Oral	Rat-Male	>10000 mg/kg	-	-
C.I.Pigment yellow 42	LC50 Inhalation Dusts and mists	Rat	>195 g/m3	6 hours	-
C.I.Pigment yellow 42			>195 g/m3	2 weeks	-
Iron(III)Oxide	LD50 Oral	-	>5000 mg/kg	-	-
Iron(III)Oxide	LC50 Inhalation Dusts and mists	-	>210 g/m3	2 weeks	-
C.I. Pigment Red 101	No specific data	-	-	-	-
Limestone	No specific data	-	-	-	-

### IRRITATION/CORROSION:

PRODUCT/ INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION	REVERSABILITY
C.I.Pigment black 11	Skin-Erythema/Eschar	Rabbit	0	4 hours	8days	-
	Eyes-Cornea opacity	Rabbit	0	192 hours 100 ul	8days	Fully reversible in 7 days or less
	Eyes-Iris Lesion	Rabbit	0	192 hours 100 ul	8days	-
	Eyes-Redness of the conjunctivae	Rabbit	0	192 hours 100 ul	8days	Fully reversible in 7 days or less

### IRRITATION/CORROSION:

PRODUCT/ INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION	REVERSABILITY
C.I.Pigment yellow 42	Eyes-Draize	Rabbit	0	50mg	7 days	-
	Skin-Erythema/Eschar	Rabbit	0	24 hours 500mg	7 days	-
PRODUCT/ INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION	REVERSABILITY
Iron(III)Oxide	Eyes-Draize	Rabbit	0	192 hours 0.1 mg	8 days	Fully reversible in 7 days or less
	Skin-Erythema/Eschar	Rabbit	0	4 hours 500mg	7 days	-
C.I. Pigment Red 101	No specific data	-	-	-	-	-
Limestone	No specific data	-	-	-	-	-

### CONCLUSION/SUMMARY

Skin: C.I.Pigment black 11, C.I.Pigment yellow 42, Iron (III) Oxide: Non-irritating.

Eyes: C.I.Pigment black 11, C.I.Pigment yellow 42, Iron (III) Oxide: Non-irritating.

### SENSITIZATION:

PRODUCT/ INGREDIENT NAME	ROUTE OF EXPOSURE	SPECIES	RESULT
C.I.Pigment black 11	Skin	Guinea pig	Not sensitizing
C.I.Pigment yellow 42	Skin	Guinea pig	Not sensitizing
Iron(III)Oxide	Skin	Guinea pig	Ambiguous
C.I. Pigment Red 101	No specific data	-	-
Limestone	No specific data	-	-



### CHRONIC TOXICITY:

PRODUCT/ INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
C.I.Pigment black 11 / C.I.Pigment yellow 42	Sub-acute NOAEC inhalation Dusts and mists	Rat-Male	>185.6 mg/m3	2 weeks:6 hours per day 5 days per week
Iron(III)Oxide	Sub-acute NOAEC inhalation Dusts and mists	Rat-Male	10.1 mg/m3	4 weeks:6 hours per day 5 days per week
C.I. Pigment Red 101	No specific data	-	-	-
Limestone	No specific data	-	-	-

### MUTAGENICITY:

PRODUCT/ INGREDIENT NAME	TEST	EXPERIMENT	RESULT
C.I.Pigment black 11 / C.I.Pigment yellow 42 / Iron(III)Oxide	OECD 476 IN VITRO MAMMALIAN CELL GENE MUTATION TEST	Experiment: In vitro Subject:BACTERIA METABOLIC ACTIVATION: WITH/WITHOUT S9 MIX	Negative
	OECD 473 IN VITRO MAMMALIAN CHROMOSOMAL ABERRATION TEST	Experiment: In vitro Subject:MAMMALIAN-ANIMAL CELL:SOMATIC METABOLIC ACTIVATION: WITH/WITHOUT	Negative
		Experiment: In vitro Subject:MAMMALIAN-ANIMAL CELL:SOMATIC METABOLIC ACTIVATION: WITH/WITHOUT S9 MIX	Negative

### CARCINOGENICITY:

PRODUCT/ INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
C.I.Pigment black 11 / C.I.Pigment yellow 42 / Iron(III)Oxide	Negative-Intraperitoneal-	Rat-Male,Female	600 mg/kg	914 days; 3 injection a 200 mg/kg in 8 weeks.
CAS#	IARC	NTP	OSHA	
1317-61-9 51274-00-1 1309-37-1	Not classified	Not classified	Not classified	

C.I. Pigment Red 101

\*\*OSHA Hazardous Components (29CFR 1910.1200). This material is considered a carcinogen by IARC because it contains crystalline silica at levels greater than 0.1%. Inhalation of dust in excess of the TLV may cause mild pulmonary irritation. Long term over-exposure may cause silicosis

Limestone

No specific data

## Section 12. Ecological Information

PRODUCT/ INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
C.I.Pigment black 11	EU C.2 (Acute Toxicity for Daphnia)	Acute EC0>10000mg/l	Daphnia- Daphnia magna	48 hours
	OECD 209 Activated Sludge, Respiration inhibition Test	Fresh water Acute EC50>10000mg/l	Bacteria-adapted and activated sludge microorganism	3 hours
	OECD 203 Fish, Acute Toxicity Test	Fresh water Acute LC0>100000mg/l	Fish-Danio rerio	96 hours
C.I.Pigment yellow 42	ISO 8192	Acute EC50>10000mg/l	Bacteria-adapted and activated sludge microorganism	3 hours
	OECD 202 Daphnia sp.Acute Immobilization Test	Acute EC50>100mg/l	Daphnia-Daphnia magna	48 hours
	OECD 203 Fish, Acute Toxicity Test	Acute LC0>100000mg/l	Fish-Danio rerio	96 hours
Iron(III)Oxide	OECD 202 Daphnia sp.Acute Immobilization Test	Acute EC50>100mg/l	Daphnia-Daphnia magna	48 hours
		Acute EC50>10000mg/l	Micro-organismActivated Sludge	3 hours
		Acute LC0>50000mg/l	Fish-Danio rerio	96 hours
C.I. Pigment Red 101	No specific data			
Limestone	No specific data			

CONCLUSION/SUMMARY:	Not Available
PERSISTENCE AND DEGRADABILITY CONCLUSION/SUMMARY:	Not applicable.
BIOACCUMULATIVE POTENTIAL:	Not Available
MOBILITY IN SOIL WATER PARTITION:	Not Available
OTHER ADVERSE EFFECTS:	No known significant effects or critical hazards.

## Section 13. Disposal Considerations

DISPOSAL METHODS:

The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Waste disposal should be in accordance with existing federal state, provincial and or local environment controls laws.

RCRA CLASSIFICATION:

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

## Section 14. Transport Information

REGULATORY INFORMATION	UN NUMBER	PROPER SHIPPING NAME	CLASSES	PACKING GROUP	LABEL	ADDITIONAL INFORMATION
DOT CLASSIFICATION	-	-	-	-	-	Not regulated.
IMDG CLASS	-	-	-	-	-	Not regulated.
IATA-DGR CLASS	-	-	-	-	-	Not regulated.

## Section 15. Regulatory Information

SARA311/312:

None

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES:

None

SARA TITLE III SECTION 313 TOXIC CHEMICALS:

None

US EPA CERCLA HAZARDOUS SUBSTANCES (40 CFR 302):

None

STATE REGULATIONS:

The following chemicals are specifically listed by individual states: other product specific health and safety data in other sections on the SDS may also be applicable for state requirement. For details on your regulator requirements you should contact the appropriate agency in your state.

INGREDIENT NAME:

C.I.Pigment black 11 / C.I.Pigment yellow 42 / Iron(III)Oxide

## Section 15. Regulatory Information (Continued)

CAS NUMBER:	1317-61-9 / 51274-00-1 / 1309-37-1
<b>STATE CODE:</b>	
CONCENTRATION (%):	97% max
MASSACHUSETTS SUBSTANCES:	MA-S
MASSACHUSETTS EXTRAORDINARY HAZARDOUS SUBSTANCES:	MA-Extra HS
NEW JERSEY HAZARDOUS SUBSTANCES:	NJ- HS
PENNSYLVANIA RTK HAZARDOUS SUBSTANCES:	PA- RTK HS
PENNSYLVANIA SPECIAL HAZARDOUS SUBSTANCES:	PA- Special HS
CALIFORNIA PROP.65	Potential exposure to some or all of the California Prop 65 chemicals in this product have been determined to be below the No Significant Risk Level (NSRL) To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.
U.S.TOXIC SUBSTANCES CONTROL ACT:	Listed on the TSCA Inventory.

## Section 16. Other Information

HAZARDOUS MATERIAL INFORMATION (HMIS)			NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)	
Health	0		Health	0
Fire	0		Fire	0
Physical Hazards	0		Instability/Reactivity	0
			Special	

HEALTH	FIRE	REACTIVITY/ INSTABILITY
4 Extreme	4 Severe	4 May Detonate
3 High	3 Serious	3 Explosive
2 Moderate	2 Moderate	2 Unstable
1 Slight	1 Slight	1 Normally Stable
0 Insignificant	0 Minimal	0 Stable

**DISCLAIMER:**

The information is furnished without warranty, representation, inducement, or license of any kind, except that it is accurate to the best of Green Umbrellas' knowledge. Because use conditions and applicable laws may differ from one location to another and may change with time, recipient is responsible for determining whether the information is appropriate for recipient's use. Since company has no control over how this information may be ultimately used, all liability is expressly disclaimed and company assumes no liability.

# Safety Data Sheet

Green Umbrella™ Fiberlite



## Product Identification

Product Name:	Green Umbrella™ Fiberlite
Product Use:	Crack reducing additive
Effective Date:	June 23, 2016
Manufacturer Information:	Green Umbrella™ 20 Jet View Rochester, NY Telephone Number: 844-200-7336
USA Emergency Phone Number:	
For Medical Emergency	Call 1-800-535-5053
Outside the United States	Call collect +1-352-323-3500

## Composition/Information on Ingredients

### Material or Component

High Performance Acrylic

## First Aid Measures

Eyes: Flush with water to remove particles.  
Skin: Wash off with soap and water.  
Inhalation: Remove to fresh air if effects occur and should seek medical attention if coughing or other symptoms occur  
Ingestion: No treatment required (no harm).  
Notes to Physician: Fibers can be regarded as physiologically inert since, so far, no poisoning or other injurious effects have been observed in cases where this material has been used internally (surgical sutures, replacement of blood vessels, etc.). On external contact, no signs of dermatitis or other skin injury have been observed.

## Fire Fighting Measures

Decomposition Temperature: 330°C (626°F) AC 50 does not melt  
Flammable Limits in Air, % by Volume: Not determined  
Extinguishing Media: Water, CO2, Dry Chemicals, Foam-Fog  
Special Fire Fighting Procedures: Avoid excessive inhalation of smoke or potential thermal decomposition products. Wear self contained breathing apparatus meeting NIOSH standards.  
Unusual Fire & Explosion Hazard: None

## Accidental Release Measures

Aquatic Toxicity: None known  
Steps to be taken if Material is released of Spilled: Sweep or vacuum up and place in a waste disposal container to an approved landfill or reuse.  
Neutralizing Chemicals: Not applicable

## Handling and Storage

Precautionary Statements: No special handling has been shown to be necessary.  
Other Handling & Storage Requirements: Do not store near flame or incompatible materials. Maintain good housekeeping to control dust accumulations.

## Exposure Controls/Personal Protection

Ventilation Requirements: Local exhaust for fiber dust only.  
Specific Personal Protective Equipment (PPE): **Respiratory-** For operators where inhalation exposure can occur, a NIOSH approved respirator recommended by an industrial hygienist may be necessary.  
**Eye-** For operations where eye or face contact may occur, eye protection such as goggles or a face shield is recommended.  
**Skin-** Not required.  
**Additional Equipment-** Not required.  
Exposure Guidelines: Dust should be considered a nuisance dust:  
ACGIH TLV 10mg/m<sup>3</sup> total dust  
OSHA PEL: 15 mg/m<sup>3</sup> total dust; 5-mg/m<sup>3</sup> respirable dust

# Safety Data Sheet

Green Umbrella™ Fiberlite



## Physical & Chemical Properties

Chemical Formula:	(CH <sub>3</sub> -CH <sub>2</sub> CN) n	Melting Point:	330-°C	Odor:	Not Applicable
Molecular Weight:	Not Determined	Boiling Point:	Does not boil	Vapor Pressure:	Not Applicable
Specific Gravity:	1.17 g/cm <sup>3</sup>	Solubility in water:	Not soluble	VOC (percent):	None
Physical State:	Cream Fibers	pH:	Not Applicable	Evaporation Rate:	Not Applicable

## Stability and Reactivity

Incompatibilities:	Tends to decompose in strong acids & bases
Conditions Contributing to Instability:	Contact with flame; temperatures above 300°C
Hazardous Decomposition Products:	At temperatures above 340°C/644°F, C, CO, CO <sub>2</sub> , NO <sub>2</sub> , NO <sub>3</sub> , HCN
Conditions Contributing to Hazardous Polymerization:	Hazardous polymerization will not occur.

## Toxicological Information

The fiber product is not toxic.

## Ecological Information

Aquatic Toxicity: No data available.

## Disposal Considerations

RCRA:	Is the unused product a RCRA waste if discarded? No
Waste Disposal Method:	Dispose of in accordance with applicable governmental non-hazardous solid waste regulations.
Steps to be taken if material is Released or spilled:	Sweep up and place in a waste disposal container.
Neutralizing Chemicals:	Not applicable.

## Transport Information

US DOT Proper Shipping Name:	Pan White Fiber
US DOT Hazard Class:	Not applicable
USDOT ID Number:	Not applicable

## Regulatory Information

### International

IATA:	Not regulated.
IMDG:	Not regulated
Canada WHMIS:	Not a controlled product
Japan MITI:	

TSCA: This product, or all its ingredients, is certified for inclusion On the TSCA Inventory of Chemical Substances.

### State

CA Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or birth defects.

### Federal

SARA: No Ingredients listed

## Other Information


**Disclaimer:** To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

# SAFETY DATA SHEET

GREENUMBRELLA®



## Section 1. Product and Company Identification

PRODUCT NAME:	IceCap
PRODUCT USE:	Penetrating Resinous Reactive Interior-Exterior MicroFinish for Non-Profiled Surfaces
EFFECTIVE DATE:	October 2021
MANUFACTURER INFORMATION:	 <b>GREENUMBRELLA®</b> Architectural Concrete Systems
	Green Umbrella 20 Jetview Drive Rochester, NY 14624 (844) 200-7336
EMERGENCY PHONE NUMBER:	For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC 24 Hours 1-800-424-9300 / +1 703-527-3887      CCN: 871558

## Section 2. Hazard Identification

GHS PICTOGRAMS:



GHS SIGNAL WORD:

WARNING.

Avoid contact with eyes and skin.

Keep out of reach of children.

The product may be harmful if it is inhaled or swallowed.

### POTENTIAL HEALTH EFFECTS

#### CODE OF HAZARD STATEMENTS:

#### Physical Hazards

None

#### Health Hazards

H303 May be harmful if swallowed.  
H312 Harmful in contact with skin.  
H319 Causes serious eye irritation.  
H333 May be harmful if inhaled.

#### Environmental Hazards

None



## Section 2. Hazard Identification (Continued)

### CODE OF PRECAUTIONARY STATEMENTS:

#### General

P101 Keep out of reach of children.

P103 Read label before use.

#### Prevention Statements

P202 Do not handle until all safety precautions have been read and understood.

P262 Do not get in eyes, on skin or on clothing.

P264 Wash thoroughly after handling using this product.

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

P284 Wear respiratory protection.

#### Response Statements

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P331 DO NOT induce vomiting.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P352 Wash with plenty of soap and water.

P362 Take off contaminated clothing and wash before reuse.

#### Storage

KEEP FROM FREEZING.

P403 Store in well-ventilated place.

P404 Store in a closed container.

ROUTES OF ENTRY:

Eye contact, skin contact, ingestion and inhalation.

CARCINOGENICITY:

None known at this time.

## Section 3. Ingredients and Hazards Identification

Component	CAS #	EINECS No	% by weight	REACH Reg #
Prop.	Prop.	Prop.	1-8	(Pre)registered or exempt
Prop.	Prop.	Prop.	1-8	(Pre)registered or exempt
Prop.	Prop.	Prop.	15-25	(Pre)registered or exempt
Mineral Salt	Prop.	Prop.	10-15	Yes
Water	7732-18-5	231-791-5	Balance	None Required

\*Undisclosed ingredients are withheld as trade secrets

## Section 4. First Aid Measures

EYE CONTACT:

Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.

SKIN CONTACT:

Use soap and water to remove from the skin. Remove contaminated clothing and clean thoroughly before reuse.

INHALATION:

Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.

INGESTION:

If swallowed, get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

## Section 5. Fire Fighting Measures

FLASH POINT:	Not flammable
FLAMMABILITY LIMITS:	NE
FIRE FIGHTING MEDIA:	Dry chemical, carbon dioxide, and water spray.
SPECIAL FIRE FIGHTING PROCEDURES:	First responders need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE).

## Section 6. Accidental Release Measures

CLEAN-UP PROCEDURES:	Material is alkaline, wear proper PPE. Stop the source of the release if you are not put at risk. Use absorbent material (such as sand) to absorb the spill. Use plastic shovel to pick up absorbent for disposal.
SPILLS AND LEAKS:	Dispose in accordance with local, state or federal regulations.

## Section 7. Handling and Storage

HANDLING:	Do not get into eyes. Do not taste or swallow. Wash thoroughly after handling.
STORAGE:	Store in original labeled container. Keep in cool and dry areas. Do not freeze.

## Section 8. Exposure Control/Personal Protection

INTRODUCTORY REMARKS:	Consider the potential hazards of this product outlined in section 3. Use process exposures such as local exhaust ventilation, to control over exposure to airborne levels above recommended exposure limits.
<b>PERSONAL PROTECTION:</b>	
EYES:	Wear safety goggles or safety glasses to prevent eye contact.
BODY:	Long sleeve shirts, long pants, socks, rubber boots and chemical resistant gloves.
HANDS:	Chemical resistant gloves.
RESPIRATORY:	Wear an approved respirator (NIOSH TC-84A rated or EN 14387) that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.

## Section 9. Physical and Chemical Properties

<b>Odor/Color</b>	Slight Ammonia / White	<b>Vapor Pressure</b>	> 2.2 torr @ 68° F (20° C)
<b>pH</b>	11	<b>Density (water=1)</b>	> 1.067 @ 68° F (20° C)
<b>VOC</b>	< 50g/L	<b>Solubility</b>	> 95% in water
<b>Evaporation rate (water = 1)</b>	< 1.0	<b>Boiling Point</b>	212°F (100°C)
<b>Freezing Point</b>	32°F (0°C)	<b>Vapor Density (air = 1)</b>	>1

## Section 10. Stability and Reactivity

CHEMICAL STABILITY:

Considered stable under normal ambient temperatures.

HAZARDOUS  
DECOMPOSITION:

If complete combustion, oxides of carbon and mineral salt are formed.

HAZARDOUS  
POLYMERIZATION:

Will not occur.

INCOMPATIBILITY/  
MATERIALS TO AVOID:

May react with strong oxidizing agents and strong acids.

## Section 11. Toxicological Information

ACUTE EYE IRRITATION:

Irritating.

ACUTE SKIN IRRITATION:

Chronic exposure may be irritating.

ACUTE DERMAL TOXICITY:

Not expected to be toxic through the skin.

ACUTE INHALATION  
TOXICITY:

Not determined, expected to be an irritant to the respiratory system.

CARCINOGENIC EFFECTS:

None

EXISTING MEDICAL  
CONDITIONS AGGRAVATED  
BY EXPOSURE:

Exposure to eyes and skin may cause irritation to pre-existing conditions.

## Section 12. Ecological Information

ECOTOXICITY:

The toxicity of this product has not been determined.

ENVIRONMENTAL FATE:

This product should be expected to be readily biodegradable.

## Section 13. Disposal Considerations

WASTE DISPOSAL  
METHOD:

Whatever cannot be saved for recovery or recycling should be managed by the local, state or Federal regulations.

CONTAINER HANDLING  
AND DISPOSAL:

All containers should be triple rinsed and disposed of according to local, state and Federal regulations.

## Section 14. Transport Information

GROUND CLASSIFICATION:	Not regulated by US DOT
SHIPPING NAME:	IceCap
TECHNICAL SHIPPING NAME:	Penetrating Resinous Reactive Interior-Exterior MicroFinish for Non-Profiled Surfaces
UNFIC:	None
ID NUMBER:	None
PACKAGING GROUP:	None
LABELS:	No US DOT Labels

**Not regulated by IATA or IMO**

## Section 15. Regulatory Information

<b>EPCRA 311/312 CATEGORIES:</b>	Immediate (Acute) Health Effects:	Yes
	Delayed (Chronic) Health Effects:	Yes
	Fire Hazard:	No
	Sudden Release of Pressure:	No
	Reactivity:	No

**EUROPEAN COMMUNITY:**



irritating (Xi) substances

RIGHT TO KNOW CLASSIFICATION:	All ingredients are listed in CA, FL, MA, MI, MN, PA and NJ.
TSCA:	All ingredients listed or exempt from listing.
REPORTABLE QUANTITY (RQ):	None
PROP. 65:	None
WHMIS:	Xi (Irritant to the eyes and skin)

All ingredients are listed in chemical inventories of ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK.

### ABBREVIATIONS:

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
°C	Celsius temperature scale	°F	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term Exposure Limit	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC50	Effective Dose	LC50	Lethal Inhalation Concentration
LD50	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower explosive limit	UEP	Upper explosive limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
<	Less Than or Equal To	>	Greater Than or Equal To
CNS	Central Nervous System	CI	China
DSL	Canada	ECL	Korean Existing Chemicals List
EEC	European Economic Commission	ENCS	Japanese Existing and New Chemical List
EU	European Union	MAC	Netherlands
MAK	Germany	MITI	Japan
PICCS	Philippines	SWISS	Giftliste 1
UK	United Kingdom	USA	United States
VOC	Volatile organic content	ACGIH	American Conference of Government Industrial Hygienists
SARA	Superfund Amendments and Reauthorization Act	AICS	Australian Inventory of Chemical Substances
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances		

## Section 16. Other Information

HAZARDOUS MATERIAL INFORMATION (HMIS)		NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)	
Health	1	Health	1
Fire	0	Fire	0
Reactivity	0	Instability	0
Personal Protection	E	NA	

HEALTH	FIRE	REACTIVITY/ INSTABILITY	RISK PHRASES: R36, IRRITATING TO EYES; R37, IRRITATING TO RESPIRATORY SYSTEM; AND R38, IRRITATING TO SKIN.
4 Deadly	4 <73°C	4 May Detonate	<b>SAFETY PHRASES:</b> S2, KEEP OUT OF REACH OF CHILDREN; S24, AVOID CONTACT WITH SKIN; S25, AVOID CONTACT WITH EYES; S37, WEAR SUITABLE GLOVES; AND S39, WEAR EYE/FACE PROTECTION.
3 Extreme Danger	3 <100°C	3 Explosive	
2 Dangerous	2 <200°C	2 Unstable	
1 Slight Hazard	1 >200°C	1 Normally Stable	
0 No Hazard	0 Will Not burn	0 Stable	

**DISCLAIMER:**

The information is furnished without warranty, representation, inducement, or license of any kind, except that it is accurate to the best of Green Umbrellas' knowledge. Because use conditions and applicable laws may differ from one location to another and may change with time, recipient is responsible for determining whether the information is appropriate for recipient's use. Since company has no control over how this information may be ultimately used, all liability is expressly disclaimed and company assumes no liability.

# SAFETY DATA SHEET


GREENUMBRELLA®



## Section 1. Product and Company Identification

PRODUCT NAME:	IceStart
PRODUCT USE:	Surface Applied SCM (Supplementary Cementitious Material) Admixture Cure
EFFECTIVE DATE:	October 2021
MANUFACTURER INFORMATION:	 <b>GREENUMBRELLA®</b> Architectural Concrete Systems
EMERGENCY PHONE NUMBER:	Green Umbrella 20 Jetview Drive Rochester, NY 14624 (844) 200-7336
	For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC 24 Hours 1-800-424-9300 / +1 703-527-3887      CCN: 871558

## Section 2. Hazard Identification

GHS PICTOGRAMS:	
GHS SIGNAL WORD:	WARNING. Avoid contact with eyes and skin. Keep out of reach of children. The product may be harmful if it is inhaled or swallowed.

### POTENTIAL HEALTH EFFECTS CODE OF HAZARD STATEMENTS:

#### Physical Hazards

None

#### Health Hazards

H303 May be harmful if swallowed.  
H312 Harmful in contact with skin.  
H319 Causes serious eye irritation.  
H333 May be harmful if inhaled.

#### Environmental Hazards

None

## Section 2. Hazard Identification (Continued)

### CODE OF PRECAUTIONARY STATEMENTS:

#### General

- P101 Keep out of reach of children.
- P103 Read label before use.

#### Prevention Statements

- P202 Do not handle until all safety precautions have been read and understood.
- P262 Do not get in eyes, on skin or on clothing.
- P264 Wash thoroughly after handling using this product.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P284 Wear respiratory protection.

#### Response Statements

- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P331 DO NOT induce vomiting.
- P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P352 Wash with plenty of soap and water.
- P362 Take off contaminated clothing and wash before reuse.

#### Storage

- KEEP FROM FREEZING.
- P403 Store in well-ventilated place.
- P404 Store in a closed container.

ROUTES OF ENTRY:	Eye contact, skin contact, ingestion and inhalation.
CARCINOGENICITY:	None known at this time.

## Section 3. Ingredients and Hazards Identification

Component	CAS #	EINECS No	% by weight	REACH Reg #
Prop.	Prop.	Prop.	1-8	Yes
Water	7732-18-5	231-791-5	Balance	None Required

\*Undisclosed ingredients are withheld as trade secrets

## Section 4. First Aid Measures

EYE CONTACT:	Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.
SKIN CONTACT:	Use soap and water to remove from the skin. Remove contaminated clothing and clean thoroughly before reuse.
INHALATION:	Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.
INGESTION:	If swallowed, get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

## Section 5. Fire Fighting Measures

FLASH POINT:	Not flammable
FLAMMABILITY LIMITS:	NE
FIRE FIGHTING MEDIA:	Dry chemical, carbon dioxide, and water spray.
SPECIAL FIRE FIGHTING PROCEDURES:	First responders need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE).

## Section 6. Accidental Release Measures

CLEAN-UP PROCEDURES:	Wear proper PPE. Stop the source of the release if you are not put at risk. Use absorbent material (such as sand) to absorb the spill. Use plastic shovel to pick up absorbent for disposal.
SPILLS AND LEAKS:	Dispose in accordance with local, state or federal regulations.

## Section 7. Handling and Storage

HANDLING:	Do not get into eyes. Do not taste or swallow. Wash thoroughly after handling.
STORAGE:	Store in original labeled container. Keep in cool and dry areas. Keep from freezing.

## Section 8. Exposure Control/Personal Protection

INTRODUCTORY REMARKS:	Consider the potential hazards of this product outlined in section 3. Use process exposures such as local exhaust ventilation, to control over exposure to airborne levels above recommended exposure limits.
<b>PERSONAL PROTECTION:</b>	
EYES:	Wear safety goggles or safety glasses to prevent eye contact.
BODY:	Long sleeve shirts, long pants, socks, rubber boots and chemical resistant gloves.
HANDS:	Chemical resistant gloves.
RESPIRATORY:	Wear an approved respirator that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.



## Section 9. Physical and Chemical Properties

<b>Odor/Color</b>	Tropical / Green	<b>Vapor Pressure</b>	> 2.2 torr @ 68° F (20° C)
<b>pH</b>	11.6	<b>Density (water=1)</b>	> 1.0 @ 68°F (20 °C)
<b>% volatile by weight</b>	< 50g/L	<b>Solubility</b>	100% in water
<b>Evaporation rate</b>	> 1.0	<b>Boiling Point</b>	212°F (100°C)
		<b>Freezing Point</b>	32°F (0°C)

## Section 10. Stability and Reactivity

CHEMICAL STABILITY:

Considered stable under normal ambient temperatures.

HAZARDOUS  
DECOMPOSITION:

If complete combustion, oxides of carbon and mineral salt are formed.

HAZARDOUS  
POLYMERIZATION:

Will not occur.

INCOMPATIBILITY/  
MATERIALS TO AVOID:

May react with strong oxidizing agents and strong acids.

## Section 11. Toxicological Information

ACUTE EYE IRRITATION:

Irritating.

ACUTE SKIN IRRITATION:

Chronic exposure may be irritating.

ACUTE DERMAL TOXICITY:

Not expected to be toxic through the skin.

ACUTE INHALATION  
TOXICITY:

Not determined, expected to be an irritant to the respiratory system.

CARCINOGENIC EFFECTS:

None

EXISTING MEDICAL  
CONDITIONS AGGRAVATED  
BY EXPOSURE:

Exposure to eyes and skin may cause irritation to pre-existing conditions.

## Section 12. Ecological Information

ECOTOXICITY:

The toxicity of this product has not been determined.

ENVIRONMENTAL FATE:

This product should be expected to be readily biodegradable.

## Section 13. Disposal Considerations

WASTE DISPOSAL  
METHOD:

Whatever cannot be saved for recovery or recycling should be managed by the local, state or Federal regulations.

CONTAINER HANDLING  
AND DISPOSAL:

All containers should be triple rinsed and disposed of according to local, state and Federal regulations.

## Section 14. Transport Information

GROUND CLASSIFICATION:	Not regulated by US DOT
SHIPPING NAME:	IceStart
TECHNICAL SHIPPING NAME:	Surface Applied SCM (Supplementary Cementitious Material) Admixture Cure
UNFIC:	None
ID NUMBER:	None
PACKAGING GROUP:	None
LABELS:	No US DOT Labels

**Not regulated by IATA or IMO**

## Section 15. Regulatory Information

<b>EPCRA 311/312 CATEGORIES:</b>	Immediate (Acute) Health Effects:	Yes
	Delayed (Chronic) Health Effects:	Yes
	Fire Hazard:	No
	Sudden Release of Pressure:	No
	Reactivity:	No

**EUROPEAN COMMUNITY:**



irritating (Xi) substances

RIGHT TO KNOW CLASSIFICATION:	Mineral Salt is listed in CA, FL, PA, MA, MN, and NJ.
TSCA:	All ingredients listed or exempt from listing.
REPORTABLE QUANTITY (RQ):	None
PROP. 65:	None
WHMIS:	Xi (Irritant to the eyes and skin)

Mineral Salt is listed in chemical inventories of ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK

### ABBREVIATIONS:

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
°C	Celsius temperature scale	°F	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term Exposure Limit	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC50	Effective Dose	LC50	Lethal Inhalation Concentration
LD50	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower explosive limit	UEP	Upper explosive limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
<	Less Than or Equal To	>	Greater Than or Equal To
CNS	Central Nervous System	CI	China
DSL	Canada	ECL	Korean Existing Chemicals List
EEC	European Economic Commission	ENCS	Japanese Existing and New Chemical List
EU	European Union	MAC	Netherlands
MAK	Germany	MITI	Japan
PICCS	Philippines	SWISS	Giftlist 1
UK	United Kingdom	USA	United States
VOC	Volatile organic content	ACGIH	American Conference of Government Industrial Hygienists
SARA	Superfund Amendments and Reauthorization Act	AICS	Australian Inventory of Chemical Substances
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances		

## Section 16. Other Information

HAZARDOUS MATERIAL INFORMATION (HMIS)		NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)	
Health	1	Health	1
Fire	0	Fire	0
Reactivity	0	Instability	0
Personal Protection	C	NA	

HEALTH	FIRE	REACTIVITY/ INSTABILITY	RISK PHRASES: R36, IRRITATING TO EYES; R37, IRRITATING TO RESPIRATORY SYSTEM; AND R38, IRRITATING TO SKIN.
4 Deadly	4 <73°C	4 May Detonate	<b>SAFETY PHRASES:</b> S2, KEEP OUT OF REACH OF CHILDREN; S24, AVOID CONTACT WITH SKIN; S25, AVOID CONTACT WITH EYES; S37, WEAR SUITABLE GLOVES; AND S39, WEAR EYE/FACE PROTECTION.
3 Extreme Danger	3 <100°C	3 Explosive	
2 Dangerous	2 <200°C	2 Unstable	
1 Slight Hazard	1 >200°C	1 Normally Stable	
0 No Hazard	0 Will Not burn	0 Stable	

### DISCLAIMER:

The information is furnished without warranty, representation, inducement, or license of any kind, except that it is accurate to the best of Green Umbrellas' knowledge. Because use conditions and applicable laws may differ from one location to another and may change with time, recipient is responsible for determining whether the information is appropriate for recipient's use. Since company has no control over how this information may be ultimately used, all liability is expressly disclaimed and company assumes no liability.

# SAFETY DATA SHEET

GREENUMBRELLA®



## Section 1. Product and Company Identification

PRODUCT NAME:	IceStop
PRODUCT USE:	Hydrophobic Fixative for Surface Applied Admixture Cure
EFFECTIVE DATE:	October 2021
MANUFACTURER INFORMATION:	 <b>GREENUMBRELLA®</b> Architectural Concrete Systems
	Green Umbrella 20 Jetview Drive Rochester, NY 14624 (844) 200-7336
EMERGENCY PHONE NUMBER:	For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC 24 Hours 1-800-424-9300 / +1 703-527-3887      CCN: 871558

## Section 2. Hazard Identification

GHS PICTOGRAMS:



GHS SIGNAL WORD:

WARNING.  
This product is Alkaline.  
Avoid contact with eyes and skin.  
Keep out of reach of children.  
The product may be harmful if it is inhaled or swallowed.

### POTENTIAL HEALTH EFFECTS

#### CODE OF HAZARD STATEMENTS:

#### Physical Hazards

None

#### Health Hazards

H303 May be harmful if swallowed.  
H312 Harmful in contact with skin.  
H319 Causes serious eye irritation.  
H333 May be harmful if inhaled.

#### Environmental Hazards

None

## Section 2. Hazard Identification (Continued)

### CODE OF PRECAUTIONARY STATEMENTS:

#### General

- P101 Keep out of reach of children.
- P103 Read label before use.

#### Prevention Statements

- P202 Do not handle until all safety precautions have been read and understood.
- P262 Do not get in eyes, on skin or on clothing.
- P264 Wash thoroughly after handling using this product.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P284 Wear respiratory protection.

#### Response Statements

- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P331 DO NOT induce vomiting.
- P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P352 Wash with plenty of soap and water.
- P362 Take off contaminated clothing and wash before reuse.

#### Storage

- KEEP FROM FREEZING.
- P403 Store in well-ventilated place.
- P404 Store in a closed container.

ROUTES OF ENTRY:	Eye contact, skin contact, ingestion and inhalation.
CARCINOGENICITY:	None know at this time.

## Section 3. Ingredients and Hazards Identification

Component	CAS #	EINECS No	% by weight	REACH Reg #
Prop.	Prop.	Prop.	1-8	(Pre)registered or exempt
Mineral Salt	Prop.	Prop.	10-30	Yes
Water	7732-18-5	231-791-5	Balance	None Required

\*Undisclosed ingredients are withheld as trade secrets

## Section 4. First Aid Measures

EYE CONTACT:	Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.
SKIN CONTACT:	Use soap and water to remove from the skin. Remove contaminated clothing and clean thoroughly before reuse.
INHALATION:	Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.
INGESTION:	If swallowed, get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

## Section 5. Fire Fighting Measures

FLASH POINT:	Not flammable
FLAMMABILITY LIMITS:	NE
FIRE FIGHTING MEDIA:	Dry chemical, carbon dioxide, and water spray.
SPECIAL FIRE FIGHTING PROCEDURES:	First responders need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE).

## Section 6. Accidental Release Measures

CLEAN-UP PROCEDURES:	Material is alkaline, wear proper PPE. Stop the source of the release if you are not put at risk. Use absorbent material (such as sand) to absorb the spill. Use plastic shovel to pick up absorbent for disposal.
SPILLS AND LEAKS:	Dispose in accordance with local, state or federal regulations.

## Section 7. Handling and Storage

HANDLING:	Do not get into eyes. Do not taste or swallow. Wash thoroughly after handling.
STORAGE:	Store in original labeled container. Keep in cool and dry areas. Do not freeze.

## Section 8. Exposure Control/Personal Protection

INTRODUCTORY REMARKS:	Consider the potential hazards of this product outlined in section 3. Use process exposures such as local exhaust ventilation, to control over exposure to airborne levels above recommended exposure limits.
<b>PERSONAL PROTECTION:</b>	
EYES:	Wear safety goggles or safety glasses to prevent eye contact.
BODY:	Long sleeve shirts, long pants, socks, rubber boots and chemical resistant gloves.
HANDS:	Chemical resistant gloves.
RESPIRATORY:	Wear an approved respirator (NIOSH TC-84A rated or EN 14387) that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.

## Section 9. Physical and Chemical Properties

<b>Odor/Color</b>	Tropical/Red	<b>Vapor Pressure</b>	> 2.2 torr @ 68° F (20° C)
<b>pH</b>	11.6	<b>Solubility</b>	95% in water
<b>% volatile by weight</b>	< 50g/L	<b>Boiling Point</b>	212°F (100°C)
<b>Evaporation rate</b>	< 1.0	<b>Freezing Point</b>	32°F (0°C)
		<b>Vapor Density (air=1)</b>	>1

## Section 10. Stability and Reactivity

CHEMICAL STABILITY:

Considered stable under normal ambient temperatures.

HAZARDOUS  
DECOMPOSITION:

If complete combustion, oxides of carbon and mineral salt are formed.

HAZARDOUS  
POLYMERIZATION:

Will not occur.

INCOMPATIBILITY/  
MATERIALS TO AVOID:

May react with strong oxidizing agents and strong acids.

## Section 11. Toxicological Information

ACUTE EYE IRRITATION:

Irritating.

ACUTE SKIN IRRITATION:

Chronic exposure may be irritating.

ACUTE DERMAL TOXICITY:

Not expected to be toxic through the skin.

ACUTE INHALATION  
TOXICITY:

Not determined, expected to be an irritant to the respiratory system.

CARCINOGENIC EFFECTS:

None

EXISTING MEDICAL  
CONDITIONS AGGRAVATED  
BY EXPOSURE:

Exposure to eyes and skin may cause irritation to pre-existing conditions.

## Section 12. Ecological Information

ECOTOXICITY:

The toxicity of this product has not been determined.

ENVIRONMENTAL FATE:

This product should be expected to be readily biodegradable.

## Section 13. Disposal Considerations

WASTE DISPOSAL  
METHOD:

Whatever cannot be saved for recovery or recycling should be managed by the local, state or Federal regulations.

CONTAINER HANDLING  
AND DISPOSAL:

All containers should be triple rinsed and disposed of according to local, state and Federal regulations.

## Section 14. Transport Information

GROUND CLASSIFICATION:	Not regulated by US DOT
SHIPPING NAME:	IceStop
TECHNICAL SHIPPING NAME:	Hydrophobic Fixative for Surface Applied Admixture Cure
UNFIC:	None
ID NUMBER:	None
PACKAGING GROUP:	None
LABELS:	No US DOT Labels

**Not regulated by IATA or IMO**

## Section 15. Regulatory Information

<b>EPCRA 311/312 CATEGORIES:</b>	Immediate (Acute) Health Effects:	Yes
	Delayed (Chronic) Health Effects:	Yes
	Fire Hazard:	No
	Sudden Release of Pressure:	No
	Reactivity:	No

**EUROPEAN COMMUNITY:**



irritating (Xi) substances

RIGHT TO KNOW CLASSIFICATION:	All ingredients are listed in CA, FL, MA, MI, MN, PA and NJ.
TSCA:	All ingredients listed or exempt from listing.
REPORTABLE QUANTITY (RQ):	None
PROP. 65:	None
WHMIS:	Xi (Irritant to the eyes and skin)

All ingredients are listed in chemical inventories of ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK.

### ABBREVIATIONS:

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
°C	Celsius temperature scale	°F	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term Exposure Limit	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC50	Effective Dose	LC50	Lethal Inhalation Concentration
LD50	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower explosive limit	UEP	Upper explosive limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
<	Less Than or Equal To	>	Greater Than or Equal To
CNS	Central Nervous System	CI	China
DSL	Canada	ECL	Korean Existing Chemicals List
EEC	European Economic Commission	ENCS	Japanese Existing and New Chemical List
EU	European Union	MAC	Netherlands
MAK	Germany	MITI	Japan
PICCS	Philippines	SWISS	Giftliste 1
UK	United Kingdom	USA	United States
VOC	Volatile organic content	ACGIH	American Conference of Government Industrial Hygienists
SARA	Superfund Amendments and Reauthorization Act	AICS	Australian Inventory of Chemical Substances
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances		



## Section 16. Other Information

HAZARDOUS MATERIAL INFORMATION (HMIS)			NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)	
Health	1		Health	1
Fire	0		Fire	0
Reactivity	0		Instability	0
Personal Protection	E		NA	

HEALTH	FIRE	REACTIVITY/ INSTABILITY	RISK PHRASES: R36, IRRITATING TO EYES; R37, IRRITATING TO RESPIRATORY SYSTEM; AND R38, IRRITATING TO SKIN.
4 Deadly	4 <73°C	4 May Detonate	<b>SAFETY PHRASES:</b> S2, KEEP OUT OF REACH OF CHILDREN; S24, AVOID CONTACT WITH SKIN; S25, AVOID CONTACT WITH EYES; S37, WEAR SUITABLE GLOVES; AND S39, WEAR EYE/FACE PROTECTION.
3 Extreme Danger	3 <100°C	3 Explosive	
2 Dangerous	2 <200°C	2 Unstable	
1 Slight Hazard	1 >200°C	1 Normally Stable	
0 No Hazard	0 Will Not burn	0 Stable	

### DISCLAIMER:

The information is furnished without warranty, representation, inducement, or license of any kind, except that it is accurate to the best of Green Umbrellas' knowledge. Because use conditions and applicable laws may differ from one location to another and may change with time, recipient is responsible for determining whether the information is appropriate for recipient's use. Since company has no control over how this information may be ultimately used, all liability is expressly disclaimed and company assumes no liability.