SAFETY DATA SHEET

GREENUMBRELLA®

ICECAP

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:	GREENUMBRELLA® 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	Health Hazards		Environmental Hazards
None	H303	May be harmful if swallowed.	None
	H312	Harmful in contact with skin.	
	H319	Causes serious eye irritation.	
	H333	May be harmful if inhaled.	

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
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.
PERSONAL PROTECTION:	
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

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

EPCRA 311/312 CATEGORIES:

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
°C	Celsius temperature scale
Prop.	Proprietary
TLV	Threshold Limit Value
STEL	Short-term Exposure Limit
OSHA	Occupational Safety & Health
NFPA	National Fire Protection Agency
NTP	National Toxicology Program
RCRA	Resource Conservation Recovery Act
EC50	Effective Dose
LD50	Lethal Dose
LEL	Lower explosive limit
NDA	No Data Available
NE	None established
<	Less Than or Equal To
CNS	Central Nervous System
DSL	Canada
EEC	European Economic Commission
EU	European Union
MAK	Germany
PICCS	Philippines
UK	United Kingdom
VOC	Volatile organic content
SARA	Superfund Amendments and Reauthorization Act
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
EINECS	European Inventory of existing Commercial Chemical Sales
°F	Fahrenheit temperature scale
PE	Personal Protective Equipment
TWA	Time Weighted Average
PEL	Permissible Exposure Limit
NIOSH	National Institute of Safety & Health
WHMIS	Workplace Hazardous Materials Information System
IARC	Int. Agency for Research on Cancer
TSCA	Toxic Substance Control Act
LC50	Lethal Inhalation Concentration
CAS	Chemical Abstract Service Number
UEP	Upper explosive limit
ND	Not determined
NA	Not Applicable
>	Greater Than or Equal To
CI	China
ECL	Korean Existing Chemicals List
ENCS	Japanese Existing and New Chemical List
MAC	Netherlands
MITI	Japan
SWISS	Giftliste 1
USA	United States
ACGIH	American Conference of Government Industrial Hygienists
AICS	Australian Inventory of 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
4 Deadly	4 <73°C	4 May Detonate
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

RISK PHRASES: R36, IRRITATING TO EYES; R37, IRRITATING TO RESPIRATORY SYSTEM; AND R38, IRRITATING TO SKIN.

SAFETY PHRASES: 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.

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®

ICESTART

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:	GREENUMBRELLA® 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	Health Hazards		Environmental Hazards
None	H303	May be harmful if swallowed.	None
	H312	Harmful in contact with skin.	
	H319	Causes serious eye irritation.	
	H333	May be harmful if inhaled.	

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	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.
PERSONAL PROTECTION:	
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

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

EPCRA 311/312 CATEGORIES:

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

Section 16. Other Information

HAZARDOUS MATERIAL INFORMATION (HMIS)	
Health	1
Fire	0
Reactivity	0
Personal Protection	C

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)	
Health	1
Fire	0
Instability	0
NA	

HEALTH	FIRE	REACTIVITY/ INSTABILITY
4 Deadly	4 <73°C	4 May Detonate
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

RISK PHRASES: R36, IRRITATING TO EYES; R37, IRRITATING TO RESPIRATORY SYSTEM; AND R38, IRRITATING TO SKIN.

SAFETY PHRASES: 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.

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Green Umbrella®
20 Jetview Drive Rochester, NY 14624

(844) 200-7336
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SAFETY DATA SHEET

GREENUMBRELLA®

ICESTOP

Section 1. Product and Company Identification

PRODUCT NAME:	IceStop
PRODUCT USE:	Hydrophobic Fixative for Surface Applied Admixture Cure
EFFECTIVE DATE:	October 2021
MANUFACTURER INFORMATION:	GREENUMBRELLA® 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	Health Hazards		Environmental Hazards
None	H303	May be harmful if swallowed.	None
	H312	Harmful in contact with skin.	
	H319	Causes serious eye irritation.	
	H333	May be harmful if inhaled.	

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.
PERSONAL PROTECTION:	
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

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

EPCRA 311/312 CATEGORIES:

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
°C	Celsius temperature scale
Prop.	Proprietary
TLV	Threshold Limit Value
STEL	Short-term Exposure Limit
OSHA	Occupational Safety & Health
NFPA	National Fire Protection Agency
NTP	National Toxicology Program
RCRA	Resource Conservation Recovery Act
EC50	Effective Dose
LD50	Lethal Dose
LEL	Lower explosive limit
NDA	No Data Available
NE	None established
<	Less Than or Equal To
CNS	Central Nervous System
DSL	Canada
EEC	European Economic Commission
EU	European Union
MAK	Germany
PICCS	Philippines
UK	United Kingdom
VOC	Volatile organic content
SARA	Superfund Amendments and Reauthorization Act
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
EINECS	European Inventory of existing Commercial Chemical Sales
°F	Fahrenheit temperature scale
PE	Personal Protective Equipment
TWA	Time Weighted Average
PEL	Permissible Exposure Limit
NIOSH	National Institute of Safety & Health
WHMIS	Workplace Hazardous Materials Information System
IARC	Int. Agency for Research on Cancer
TSCA	Toxic Substance Control Act
LC50	Lethal Inhalation Concentration
CAS	Chemical Abstract Service Number
UEP	Upper explosive limit
ND	Not determined
NA	Not Applicable
>	Greater Than or Equal To
CI	China
ECL	Korean Existing Chemicals List
ENCS	Japanese Existing and New Chemical List
MAC	Netherlands
MITI	Japan
SWISS	Giftliste 1
USA	United States
ACGIH	American Conference of Government Industrial Hygienists
AICS	Australian Inventory of 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
4 Deadly	4 <73°C	4 May Detonate
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

RISK PHRASES: R36, IRRITATING TO EYES; R37, IRRITATING TO RESPIRATORY SYSTEM; AND R38, IRRITATING TO SKIN.

SAFETY PHRASES: 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.

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