

SECTION - 1

SAFETY DATA SHEET

EverStain™ Concrete Acid Stain (Cola) **Revision Date** 5/22/2021

Category 2

STOT Repeat Exposure

P390

H373

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name EverStain™ Concrete Acid Stain (Cola) Item

Product Use Concrete Stain & Dye

Company Name Direct Colors LLC Office (877) 255-2656 ext.1

430 E 10th St

Shawnee OK 74801 Web www.DirectColors.com

EMERGENCY TELEPHONE NUMBER INFOTRAC (800) 535-5053

SECTION - 2 HAZARDS INFORMATION

Pictogram









Signal Word Danger

Hazards PHYSICAL / HEALTH / ENVIRONMENTAL HAZARD STATEMENTS

HAZARD CATEGORY CLASSIFICATION CODE Category 1 Corrosive to Metals H290 May be corrosive to metals H302 Category 4 Acute Toxicity (Oral) Harmful if swallowed Causes severe skin burns and eve damage Category 1B Skin & Eve (Corrosion) H314 Causes serious eye damage Category 1 Eye (Damage / Irritation) H318 Category 3 STOT Single Exposure H335 May cause respiratory irritation Toxic to aquatic life Category 2 Acute Toxicity (Aquatic) H401 Category 2 Chronic Toxicity (Aquatic) Toxic to aquatic life with long lasting effects H411

May cause damage to organs through prolonged or repeated exposure liver, nervous systems, by inhalation of dust / mist, or ingestion

Precautions

Absorb spillage to prevent material damage

HANDLING / PROTECTION / FIRE / STORAGE / DISPOSAL CODE P102 Keep out of reach of children P234 Keep only in original container Avoid breathing dust / fume / gas / mist / vapours / spray P261 Do not get in eyes, on skin, or on clothing P262 P264 Wash thoroughly after handling Do not eat, drink or smoke when using this product P270 P271 Use only outdoors or in a well-ventilated area P273 Avoid release to the environment Wear protective gloves / protective clothing / eye protection / face protection P280 P285 In case of inadequate ventilation wear respiratory protection

P391 Collect spillage Store in a well-ventilated place. Store locked up. Keep container tightly closed P403+P405+P233

P406 Store in corrosive resistant container Dispose of material in accordance with all State and Federal Guidelines and Regulations P501

SECTION – 3	COMPOSITION	INFORMATION	(Exact percentage of the listed chemicals of composition has been withheld as a trade secret)					
CHEMICAL NAME		COMMON NAME AND SYNONYMS	CAS#	<u>IMPURITIES</u>	PERCENT			
Hydrochloric Acid		Muriatic Acid	7647-01-0	Water < 70%	1 - 15%			
Iron(II) Chloride		Ferrous Chloride Tetrahydrate	13478-10-9		1 - 10%			
Iron(III) Chloride		Ferric Chloride Anhydrous	7705-08-0		1 - 20%			
Copper(II) Chloride	Dihydrate	Cupric Chloride Dihydrate ; Copper Chloride	10125-13-0		1 - 10%			
Manganese(II) Chlo	oride	Manganese Dichloride	7773-01-5		1 - 10%			

SECTION - 4 **FIRST AID MEASURES**

Eye Contact Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids, Remove

contact lenses if present and easy to do without injury to the eye and continue rinsing, Obtain immediate medical

attention, preferably from an ophthalmologist or Emergency Room

Skin Contact Immediately wash contaminated skin with a nonabrasive soap and plenty of water for at least 15 minutes, Be sure

to remove any contaminated clothing and wash before reuse, If irritation is present or occurs obtain medical

attention

Inhaled Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention, Only give artificial respiration if breathing has stopped. Do not use mouth-to-mouth method if victim

way valve or other proper respiratory medical device

Ingested DO NOT INDUCE VOMITING, unless directed to do so by medical personnel, If person is fully conscious, rinse

mouth with water, and drink small quantities of water, Call a physician, or poison control center, and get medical attention, If victim feels nauseous stop drinking, If vomiting occurs, keep head below hips to prevent aspiration into

ingested or inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-

the lungs

Important Effects Exposure can / may affect, blood, digestive system, eyes, kidneys, liver, nasal septum, nervous systems,

respiratory, skin, spleen

Important Symptoms Symptoms may include, liver or kidney irregulatories, digestive tract burns, corrosive burns to skin or eyes,

respiratory irritation, blood disorders, neurological disorders, nasal septum perforation, spleen disorders

SECTION - 5 FIRE FIGHTING MEASURES

Extinguishing Media Not flammable: Use extinguishing media for surrounding fire

Explosion Hazard Not applicable

Hazardous Decomposition Burning or thermal decomposition can produce, chlorine, copper oxides, hydrogen chloride gas, Iron oxides,

magnesium oxides

Protective Equipment Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

SECTION - 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures Warn personnel of spill, Stop spill or release only if it can be done safely, Keep unprotected personnel from

entering the hazard area, Ventilate area

Personal Precautions Follow all safety precautions, Wear Personal Protective Equipment, Do not walk through spill

Protective Equipment Safety Glasses, Gloves, Chemical Apron, Rubber Boots

Containment Use rags, towels, absorbent socks or pads to prevent spill from spreading, Prevent spill from entering the

environment

Clean Up Procedures Small Spills: Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water,

Large Spills: Absorb spill with inert material, place in a chemical waste container, mop area with clean water

Disposal Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling Do not get in eyes, on skin, or clothing, Avoid breathing mist, vapors or fumes, Use appropriate safety equipment,

and adequate ventilation, Do not smoke, eat or drink while using, Wash thoroughly with soap and water after

handling, Avoid release to the environment

Storage Keep container closed when not in use, Store in a cool place away from incompatible materials, Store in corrosive

resistant container

Incompatible Materials Incompatible with, aldehydes, amines, bases, hexalithium disilicide, hydrogen peroxide, metal acetylides,

permanganates, potassium, sodium, strong acids, strong oxidizing agents, alkaline earth metals, aluminum, zinc

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS							Significant
CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA (TWA 8)	OSHA (CEIL)	NIOSH (TWA 10)	NIOSH (STEL)	Exposure
Hydrochloric Acid		2 ppm (CEIL)		5 ppm (7 mg/m³)		5 ppm (CEIL)	ED,SD,RT
Iron(II) Chloride	(as Fe) 1mg/m³						
Iron(III) Chloride			(as Fe) 1 mg/m³				
Copper(II) Chloride Dihydrate	(as Cu) 1 mg/m³		(as Cu) 1 mg/m³				Dust, Mist
Manganese(II) Chloride	0.1 mg/m ³		5 mg/m³		1 mg/m³	3 mg/m³	CNS

PERSONAL PROTECTION



HMIS HAZARD RATINGS
Health 3
Flammability 0
Reactivity 0
Personal Protection H

Eyes Wear safety glasses or goggles or face shield when handling / using this material

Hands Wear chemical resistant impervious gloves when handling / using this material

Lungs Wear a MSHA / NIOSH approved respirator at or above listed TLV's or if irritation is experienced

Body "If Situation Requires" - Wear chemical resistant impervious protective clothing if exposure is considered to be likely when

handling / using this material

Feet "If Situation Requires" - Wear chemical resistant impervious footwear if exposure is considered to be likely when handling

/ using this material

Response Access to a drench shower with eye wash station is a recommended safety precaution for handling / using this type of

material

Ventilation Ventilate to keep vapors of this material below the lowest ppm listed above, If over Threshold Limit Value use a MSHA /

NIOSH approved respirator for organic vapor, supplied air or self-contained breathing apparatus

SECTION - 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	> 93.3°C (200°F) - TAG Closed Cup	Specific Gravity / Density	~ 1.286
Flammable Limits (v)	ND	pH (± 0.3)	< 2.0
Auto-Ignition Temp.	ND	Viscosity (mm ² s / cSt)	ND
Physical State	Liquid	Melting Point	ND
Appearance	Brown	Boiling Point	ND
Odor	Acidic	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mmHg)	ND
Solubility	< 98%	Evaporation Rate (nBuAc=1)	ND
Volatiles	< 80%	Partition Coefficient	ND
VOC	0%	Molecular Weight (g/mol)	~ 46.89
LVP-VOC	0%	Decomposition Temperature	ND

SECTION - 10 STABILITY AND REACTIVITY

Reactivity No specific test data related to reactivity available for this product or its ingredients

Chemical Stability Stable under normal ambient and anticipated conditions of use

Hazardous Polymerization Will not occur

Conditions To Avoid Incompatible materials

Incompatible Materials Incompatible with, aldehydes, amines, bases, hexalithium disilicide, hydrogen peroxide, metal acetylides,

permanganates, potassium, sodium, strong acids, strong oxidizing agents, alkaline earth metals, aluminum, zinc

Hazardous Decomposition Burning or thermal decomposition can produce, chlorine, copper oxides, hydrogen chloride gas, Iron oxides,

magnesium oxides

SECTION - 11 TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE

Eyes (Yes), Skin (Yes), Ingestion (Yes), Inhalation (Yes)

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Causes serious eye damage

Skin Can cause serious skin damage, dermatitis

InhalationMist, vapor or fumes may cause, respiratory irritationIngestionHarmful if swallowed, May affect target organs

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes serious eye damage, corneal injury, partial or complete blindness

Skin Causes serious skin damage, dermatitis, ulcerations, corrosive burns

Inhalation Mist, vapor or fumes may cause, respiratory irritation, nasal septum perforation

Ingestion Harmful if swallowed, Ingestion may affect, liver, kidneys, spleen, blood, nervous system, Symptoms may include,

digestive tract burns, nausea, vomiting, liver or kidney irregulatories, neurological disorders, spleen disorders

Acute Tox Calculated Oral: 1,638 mg/kg Dermal: 18,778 mg/kg Inhaled: > 20 mg/l

Acute Tox Category Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Not applicable (Inhaled >5 mg/l) Dust or Mist

Additional Info

Target Organs Blood, Kidneys, Liver, Skin, Spleen, Eyes, Respiratory System, Nervous Systems, Nasal Cavities

Medical Conditions Preexisting, eye, skin, liver, kidney, blood, respiratory, spleen, nervous systems, sinus, disorders may be aggravated by

exposure to this product

<u>CARCINOGENIC – This product contains concentrations above 0.1% of the following:</u>

 CHEMICAL NAME
 NTP
 ACGIH
 IARC
 GHS Category

 None Listed
 NA
 NA
 NA
 NA

MUTAGENIC AND REPRODUCTIVE EFFECTS - This product contains concentrations above 0.1% of the following:

CHEMICAL NAME Germ Cell Mutagenicity Toxic to Reproduction

None Listed NA NA

COMPONENTS ACUTE TOXICITY

	_					
CHEMICAL NAME	<u>Type</u>	<u>Form</u>	<u>Subject</u>	Result Value	Exposure Time	GHS Category
Hydrochloric Acid	LD50	Oral	Rat	700 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rat	5,010 mg/kg		(>2000 mg/kg)
	LC50	Inhaled	Rat	781 mg/l	4 Hours (Mist)	(>20 mg/l)
Iron(II) Chloride	LD50	Oral	Rat	500 mg/kg		4 (>300, ≤2000 mg/kg)
Iron(III) Chloride	LD50	Oral	Rat	316 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rat	> 2,000 mg/kg		(>2000 mg/kg)
Manganese(II) Chloride	LD50	Oral	Rat (F)	236 mg/kg		3 (>50, ≤300 mg/kg)
Copper(II) Chloride Dihydrate	LD50	Oral	Rat	584 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rabbit	1224 mg/kg		4 (>1000, ≤2000 mg/kg)

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SECTION – 12 ECOLOGICA	L INFORMATI	ON				
CHEMICAL NAME	<u>Type</u>	Subject Subject Latin	Result Value	Exposure Time	GHS Category	
Hydrochloric Acid	LC50	Mosquito Fish (Gambusia affinis)	282 mg/l	96 Hours	4 (>100 mg/l)	
Iron(II) Chloride	LC50	Japanese Ricefish (Oryzias latipes)	46 mg/l	96 Hours	3 (>10, ≤100 mg/l)	
	EC50	Green Algae (Pseudokirchneriella s.)	6.9 mg/l	72 Hours	2 (>1, ≤10 mg/l)	
	EC50	Water Flea (Daphnia magna)	19 mg/l	48 Hours	3 (>10, ≤100 mg/l)	
Iron(III) Chloride	LC50	Bluegill (Lepomis macrochirus)	20.3 mg/l	96 Hours	3 (>10, ≤100 mg/l)	
	EC50	Water flea (Daphnia magna)	12.9 mg/l	48 Hours	3 (>10, ≤100 mg/l)	
Manganese(II) Chloride	EC50	Water Flea (Daphnia magna)	9.8 mg/l	48 Hours	2 (>1, ≤10 mg/l)	
	EC50	Green Algea (Pseudokirchneriella s.)	3.83 mg/l	72 Hours	2 (>1, ≤10 mg/l)	
Copper(II) Chloride Dihydrate	LC50	Rainbow Trout (Oncorhynchus mykiss)	0.286 mg/l	96 Hours	1 (≤1 mg/l)	
	EC50	Algae (Pseudokirchneriella s.)	0.05 mg/l	72 Hours	1 (≤1 mg/l)	
	NOEC	Water Flea (Daphnia magna)	0.368 mg/l	21 Days	1 (≤1 mg/l)	
Presistence And Degradability	When rele	eased into the soil, this material is not expe	cted to biodegra	ade		
Bioaccumulative Potential	Has low p	otential for bioaccumulation due to its high	solubility in wat	er		
Mobility In Soil	This mate	rial is a mobile liquid				
Other Adverse Effects	Toxic to a	quatic life with long lasting effects				

SECTION – 13 DISPOSAL CONSIDERATIONS

Disposal Statement DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER

Dispose of any waste in accordance with all State and Federal Guidelines and Regulations

Container Disposal Empty containers retain product residue (vapors, liquid or solid) observe all precautions when handling, Empty

drums should be returned to distributor or taken to an approved waste handling site for recycling or disposal

This material as supplied, when discarded or disposed of, is a hazardous waste according to Federal Regulations (40 CFR 261) due to its composition containing in some or all of its components, Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste, Chemical additions, processing or otherwise altering this material may make the waste management

information presented in this SDS incomplete, inaccurate, or otherwise inappropriate

SECTION – 14 TRANSPORT INFORMATION

DOT CLASSIFICATION

Material Disposal

<u>UN Number</u> <u>Proper Shipping Name</u> n.o.s. (Chemicals) or "Limits"

UN 3264 CORROSIVE, LIQUID, ACIDIC, INORGANIC, n.o.s. (Hydrochloric Acid, Copper(II) Chloride)

Hazard ClassPacking GroupLabel CodesReportable Quantity (lb)ResponseMarine PollutantHazard LabelSecondary8IICorrosive Liquid(667) = 10 Cupric Chloride154No

Additional Info:

SECTION – 15 REGULATO	RY INFORMATION				
TSCA					
CHEMICAL NAME	Sec 8(b) Active Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Ru	les Sec 12(b) Export Notification
Hydrochloric Acid	Yes				
Iron(II) Chloride	Yes				
Iron(III) Chloride	Yes				
Manganese(II) Chloride	Yes				
REPORTABLE QUANTITIES	Extremely Hazardous	Reportable Quantity	Emission Reporting		
CHEMICAL NAME	EPCRA TPQ Sec 302 EPCRA RQ Se	ec 304 CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112

REPORTABLE QUANTITIES	Extremely i	Hazardous	Reportable Quantity	Emission Reporting		
CHEMICAL NAME	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r
Hydrochloric Acid			5000			
Iron(III) Chloride			1000			
Cupric Chloride			10	Yes		

<u>SARA</u>	Section 311	Section 311 Section 311 / 312 Hazards					
CHEMICAL NAME	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive	
Hydrochloric Acid	Yes	Yes					
Iron(II) Chloride	Yes	Yes	Yes				
Iron(III) Chloride	Yes	Yes					
Manganese(II) Chloride	Yes	Yes					
DICHT TO KNOW			TATE				

RIGHT TO KNOW	STATE												
CHEMICAL NAME	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Hydrochloric Acid	Yes				Yes	Yes	Yes	Yes		Yes	Yes	Yes	
Iron(III) Chloride	Yes					Yes		Yes			Yes	Yes	
Manganese(II) Chloride								Yes					

Revision Date

<u>CALIFORNIA</u>

WARNING: This Product can expose you to chemicals (Listed below) known to the State of California to cause cancer, birth defects or reproductive harm. For more information go to www.P65Warnings.ca.gov

CHEMICAL NAME	CAS#	Birth Defects	Reproductive Harm	Carcinogen	Developmental
None Listed					

CLEAN AIR WATER ACTS		Clean Air	Acts	Clean W	Clean Water Acts		
CHEMICAL NAME	CAS#	HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
Hydrochloric Acid	7647-01-0	Yes					

NTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:									
CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK			
Hydrochloric Acid	Yes	Yes	Yes	Yes	Yes	Yes			
Iron(II) Chloride	Yes	Yes	Yes	Yes	Yes	Yes			
Iron(III) Chloride	Yes	Yes	Yes	Yes	Yes	Yes			

SECTION – 16 OTHER INFORMATION

SDS	LEGEND DESCRIPTION		
~	Approximately	KD	Kidney Damage (nephropathy)
ACGIH	American Conference of Governmental Industrial Hygienists	LC50	A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	LEL	Lower Explosive Limit
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	LD	Liver Damage
CI	Cochlear Impairment	NA	Not Applicable
CNS	Central Nervous System	ND	Not Determined
EC50	Concentration of a chemical that gives half-maximal response	NE	Not Established
EPA	Environmental Protection Agency	NFPA	National Fire Protection Association
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NIOSH	National Institute for Occupational Safety and Health
FBG	Full Bunker Gear	NTP	National Toxicology Program
GHS	Globally Harmonized System	OSHA	Occupational Safety and Health Administration
HAP	California Hazardous Air Pollutant Clean Air Act	PEL	Permissible Exposure Limit (OSHA)
HMIS-A	Safety glasses	PNS	Peripheral Nervous System
HMIS-B	Safety glasses, gloves	PP	California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	REL	Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	RT	Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Lowest concentration that is toxic to a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours) - NOISH (10 hours)
IG / IH	(IG = Ingested) / (IH = Inhaled - Vapors / Mists / Gas)	UEL	Upper Explosive Limit

Direct Colors LLC

and nCites LLC have compiled the information herein from sources believed to be reliable and up-to-date, and is accurate to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources or the completeness and expressly do not make warranties, nor assume any liability for its use. The information contained herein is provided for reference purposes only and is intended only for persons having relevant technical skills. Because conditions and manner of use are outside of our control, the user is responsible for determining the conditions of safe use of the product. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries, losses, or damages to persons or property arising from the use of this product or information.