



# SAFETY DATA SHEET

EverStain™ Acid Stain (Shifting Sand)

Revision Date 5/27/2021

## SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name** EverStain™ Acid Stain (Shifting Sand) **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](http://www.DirectColors.com)

**EMERGENCY TELEPHONE NUMBER** **INFOTRAC** (800) 535-5053

## SECTION – 2 HAZARDS INFORMATION

**Pictogram**



**Signal Word** Danger

**Hazards** **PHYSICAL / HEALTH / ENVIRONMENTAL HAZARD STATEMENTS**

May be corrosive to metals

Harmful if swallowed

Causes severe skin burns and eye damage

Causes serious eye damage

May cause respiratory irritation

Toxic to aquatic life

Toxic to aquatic life with long lasting effects

May cause damage to organs through prolonged or repeated exposure

*liver, nervous systems, by inhalation of dust / mist, or ingestion*

**HAZARD CATEGORY CLASSIFICATION** **CODE**

Category 1 Corrosive to Metals H290

Category 4 Acute Toxicity (Oral) H302

Category 1B Skin & Eye (Corrosion) H314

Category 1 Eye (Damage / Irritation) H318

Category 3 STOT Single Exposure H335

Category 2 Acute Toxicity (Aquatic) H401

Category 2 Chronic Toxicity (Aquatic) H411

Category 2 STOT Repeat Exposure H373

**Precautions** **HANDLING / PROTECTION / FIRE / STORAGE / DISPOSAL**

**CODE**

Keep out of reach of children

P102

Keep only in original container

P234

Avoid breathing dust / fume / gas / mist / vapours / spray

P261

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

P262

Wash thoroughly after handling

P264

Do not eat, drink or smoke when using this product

P270

Use only outdoors or in a well-ventilated area

P271

Avoid release to the environment

P273

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

P280

In case of inadequate ventilation wear respiratory protection

P285

Absorb spillage to prevent material damage

P390

Collect spillage

P391

Store in a well-ventilated place, Store locked up, Keep container tightly closed

P403+P405+P233

Store in corrosive resistant container

P406

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 #	IMPURITIES	PERCENT
Hydrochloric Acid	Muriatic Acid	7647-01-0	Water < 70%	1 - 15%
Copper(II) Chloride Dihydrate	Cupric Chloride Dihydrate ; Copper Chloride	10125-13-0		1 - 20%
Iron(II) Chloride	Ferrous Chloride Tetrahydrate	13478-10-9		1 - 20%
Manganese(II) Chloride	Manganese Dichloride	7773-01-5		1 - 10%

## SECTION – 4 FIRST AID MEASURES

<b>Eye Contact</b>	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
<b>Skin Contact</b>	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
<b>Inhaled</b>	Not applicable under normal use. If irritation is experienced, move person to fresh air

<b>Ingested</b>	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 the lungs
<b>Important Effects</b>	Exposure can / may affect, blood, digestive system, eyes, kidneys, liver, nasal septum, nervous systems, respiratory, skin, spleen
<b>Important Symptoms</b>	Symptoms may include, liver or kidney irregularities, 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**

<b>Extinguishing Media</b>	Not flammable: Use extinguishing media for surrounding fire
<b>Explosion Hazard</b>	Not applicable
<b>Hazardous Decomposition</b>	Burning or thermal decomposition can produce, chlorine, copper oxides, hydrogen chloride gas, Iron oxides, magnesium oxides
<b>Protective Equipment</b>	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

**SECTION – 6 ACCIDENTAL RELEASE MEASURES**

<b>Emergency Procedures</b>	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
<b>Personal Precautions</b>	Follow all safety precautions, Wear Personal Protective Equipment, Do not walk through spill
<b>Protective Equipment</b>	Safety Glasses, Gloves, Chemical Apron, Rubber Boots
<b>Containment</b>	Use rags, towels, absorbent socks or pads to prevent spill from spreading, Prevent spill from entering the environment
<b>Clean Up Procedures</b>	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
<b>Disposal</b>	Dispose of material in accordance with all State and Federal Guidelines and Regulations

**SECTION – 7 HANDLING AND STORAGE**

<b>Handling</b>	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
<b>Storage</b>	Keep container closed when not in use, Store in a cool place away from incompatible materials, Store in corrosive resistant container
<b>Incompatible Materials</b>	Incompatible with, alkalis, 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**

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

**PERSONAL PROTECTION**

<b>Eyes</b>	Wear safety glasses or goggles or face shield when handling / using this material
<b>Hands</b>	Wear chemical resistant impervious gloves when handling / using this material
<b>Lungs</b>	Wear a MSHA / NIOSH approved respirator at or above listed TLV's or if irritation is experienced
<b>Body</b>	"If Situation Requires" - Wear chemical resistant impervious protective clothing if exposure is considered to be likely when handling / using this material
<b>Feet</b>	"If Situation Requires" - Wear chemical resistant impervious footwear if exposure is considered to be likely when handling / using this material
<b>Response</b>	Access to a drench shower with eye wash station is a recommended safety precaution for handling / using this type of material
<b>Ventilation</b>	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

**HMIS HAZARD RATINGS**

Health	3
Flammability	0
Reactivity	0
Personal Protection	H

**SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES**

Flash Point	> 93.3°C (200°F) - TAG Closed Cup	Specific Gravity / Density	~ 1.424
Flammable Limits (v)	ND	pH (± 0.3)	< 2.0
Auto-Ignition Temp.	ND	Viscosity (mm²s / cSt)	ND
Physical State	Liquid	Melting Point	ND
Appearance	Beige	Boiling Point	ND
Odor	Acidic	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mmHg)	ND
Solubility	< 92%	Evaporation Rate (nBuAc=1)	ND
Volatiles	< 70%	Partition Coefficient	ND
VOC	0%	Molecular Weight (g/mol)	~ 61.45
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, alkalies, 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
Inhalation	Mist, vapor or fumes may cause, respiratory irritation
Ingestion	Harmful 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 irregularities, neurological disorders, spleen disorders

Acute Tox Calculated	Oral:	1,400 mg/kg	Dermal:	7,034 mg/kg	Inhaled:	> 20 mg/l
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Acute Tox Category	Category 4 (Oral >300, ≤2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Not applicable (Inhaled >5 mg/l) Dust or Mist
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**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
Notes to Physician	Treat symptoms, No specific recommendations known

**CARCINOGENIC – This product contains concentrations above 0.1% of the following:**

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	Type	Form	Subject	Result Value	Exposure Time	GHS Category
Hydrochloric Acid	LD50	Oral	Rat	700 mg/kg	4 Hours (Mist)	4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rat	5,010 mg/kg		(>2000 mg/kg)
	LC50	Inhaled	Rat	781 mg/l		(>20 mg/l)
Iron(II) Chloride	LD50	Oral	Rat	500 mg/kg	4 Hours (Mist)	4 (>300, ≤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)


**SECTION – 12 ECOLOGICAL INFORMATION**

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
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)
Manganese(II) Chloride	EC50	Water Flea (Daphnia magna)		9.8 mg/l	48 Hours	2 (>1, ≤10 mg/l)
	EC50	Green Algae (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)
<b>Presistence And Degradability</b>	When released into the soil, this material is not expected to biodegrade					
<b>Bioaccumulative Potential</b>	Has low potential for bioaccumulation due to its high solubility in water					
<b>Mobility In Soil</b>	This material is a mobile liquid					
<b>Other Adverse Effects</b>	Toxic to aquatic life with long lasting effects					

**SECTION – 13 DISPOSAL CONSIDERATIONS**

<b>Disposal Statement</b>	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
<b>Container Disposal</b>	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
<b>Material Disposal</b>	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**

<b>UN Number</b>	<b>Proper Shipping Name</b> n.o.s. ( Chemicals ) or "Limits"					
UN 3264	CORROSIVE, LIQUID, ACIDIC, INORGANIC, n.o.s.(Hydrochloric Acid, Copper(II) Chloride)					
<b>Hazard Class</b>	<b>Packing Group</b>	<b>Label Codes</b>	<b>Reportable Quantity (lb)</b>	<b>Response</b>	<b>Marine Pollutant</b>	<b>Hazard Label</b> <b>Secondary</b>
8	II	Corrosive Liquid	(57) = 10 Cupric Chloride	154	No	
<b>Additional Info:</b>						

**SECTION – 15 REGULATORY INFORMATION****TSCA**

<u>CHEMICAL NAME</u>	<u>Sec 8(b) Active Inventory</u>	<u>Sec 8(d) Health And Safety</u>	<u>Sec 4(a) Chemical Test Rules</u>	<u>Sec 12(b) Export Notification</u>
Hydrochloric Acid	Yes			
Iron(II) Chloride	Yes			
Manganese(II) Chloride	Yes			

**REPORTABLE QUANTITIES**

<u>CHEMICAL NAME</u>	<u>Extremely Hazardous</u>	<u>Reportable Quantity</u>	<u>Emission Reporting</u>	<u>RCRA Code</u>	<u>RMP TQ Sec 112r</u>
Hydrochloric Acid	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	
Cupric Chloride			5000	Yes	
			10		

**SARA**

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

**RIGHT TO KNOW**

<u>CHEMICAL NAME</u>	<u>CA</u>	<u>CT</u>	<u>FL</u>	<u>IL</u>	<u>LA</u>	<u>NJ</u>	<u>NY</u>	<u>PA</u>	<u>MI</u>	<u>MN</u>	<u>MA</u>	<u>RI</u>	<u>WI</u>
Hydrochloric Acid	Yes				Yes	Yes	Yes	Yes		Yes	Yes	Yes	
Manganese(II) Chloride								Yes					

**CALIFORNIA**

**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](http://www.P65Warnings.ca.gov)

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>Birth Defects</u>	<u>Reproductive Harm</u>	<u>Carcinogen</u>	<u>Developmental</u>
None Listed					

**CLEAN AIR WATER ACTS**

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

**INTERNATIONAL 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

**SECTION – 16 OTHER INFORMATION****SDS LEGEND DESCRIPTION**

~ Approximately

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

Print Date 6/1/2021

-- End of Safety Data Sheet --

Supersedes Safety Data Sheet Dated