



# SAFETY DATA SHEET

DecoGel™ Acid Stain (Black)

Revision Date

6/7/2021

## SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name** DecoGel™ Acid Stain (Black) **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  
May cause an allergic skin reaction  
Causes serious eye damage  
Harmful if inhaled  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause respiratory irritation  
May cause genetic defects  
May cause cancer  
May damage fertility or the unborn child  
Toxic to aquatic life  
Toxic to aquatic life with long lasting effects  
Causes damage to organs through prolonged or repeated exposure  
*kidneys, liver, respiratory, skin ulceration*  
May cause damage to organs through prolonged or repeated exposure  
*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 Sensitization (Skin) H317  
Category 1 Eye (Damage / Irritation) H318  
Category 4 Acute Toxicity (Inhaled) DM H332  
Category 1 Sensitization (Respiratory) H334  
Category 3 STOT Single Exposure H335  
Category 1 Germ Cell Mutagenicity H340  
Category 1 Carcinogenicity H350  
Category 1 Toxic To Reproduction H360  
Category 2 Acute Toxicity (Aquatic) H401  
Category 2 Chronic Toxicity (Aquatic) H411  
Category 1 STOT Repeat Exposure H372  
Category 2 STOT Repeat Exposure H373

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

Keep out of reach of children  
Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Keep only in original container  
Avoid breathing dust / fume / gas / mist / vapours / spray  
Do not get in eyes, on skin, or on clothing  
Wash thoroughly after handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Contaminated work clothing should not be allowed out of the workplace  
Avoid release to the environment  
Wear protective gloves / protective clothing / eye protection / face protection  
In case of inadequate ventilation wear respiratory protection  
Absorb spillage to prevent material damage  
Collect spillage  
Store in a well-ventilated place, Store locked up, Keep container tightly closed  
Store in corrosive resistant container  
Dispose of material in accordance with all State and Federal Guidelines and Regulations

**CODE**

P102  
P201  
P202  
P234  
P261  
P262  
P264  
P270  
P271  
P272  
P273  
P280  
P285  
P390  
P391  
P403+P405+P233  
P406  
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%
Manganese(II) Chloride	Manganese Dichloride	7773-01-5		1 - 20%
Sodium Dichromate	Sodium Dichromate Dihydrate ; Sodium Bichromate	7789-12-0		1 - 20%

**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>	Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention, If breathing is difficult, oxygen or artificial respiration should be administered by qualified personnel
<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, eyes, kidneys, liver, nervous systems, respiratory, skin
<b>Important Symptoms</b>	Symptoms may include, allergic skin reactions, central nervous system depression, liver or kidney irregularities, corrosive burns to skin or eyes, allergic asthmatic breathing reactions, neurological 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, hydrogen chloride gas, 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, NOTE: Organic spill kits that contain Floor-Dri, kitty litter, or sand should NOT be used because Hydrogen Fluoride reacts with silica to produce silicon tetrafluoride, a toxic gas
<b>Clean Up Procedures</b>	Neutralize spill with soda ash, lime, sodium bicarbonate, or a spill absorbent specified for Hydrogen Fluoride. With clean shovel, carefully place material into clean appropriate waste disposal unit. Flush spill area with water, NOTE: Neutralized Hydrofluoric Acid can still be Toxic, observe all safety precautions
<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, amines, bases, hexalithium disilicide, hydrogen peroxide, metal acetylides, permanganates, potassium, sodium, strong acids, sodium oxides, alkaline earth metals, 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
Manganese(II) Chloride	0.1 mg/m³		5 mg/m³		1 mg/m³	3 mg/m³	CNS
Hydrochloric Acid		2 ppm (CEIL)		5 ppm (7 mg/m³)		5 ppm (CEIL)	ED,SD,RT
Sodium Dichromate	(as Cr) 0.05 mg/m³	(as Cr VI) 0.001 mg/m³	(as Cr) 0.005 mg/m³	(as Cr VI) 0.001 mg/m³	(as Cr) 0.001 mg/m³		

**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	~ 1.389
Flammable Limits (v)	ND	pH (± 0.3)	< 2.0
Auto-Ignition Temp.	ND	Viscosity (mm²s / cSt)	ND
Physical State	Liquid	Melting Point	ND
Appearance	Black	Boiling Point	ND
Odor	Acidic	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mmHg)	ND
Solubility	< 64%	Evaporation Rate (nBuAc=1)	ND
Volatiles	< 62%	Partition Coefficient	ND
VOC	0%	Molecular Weight (g/mol)	~ 44.50
LVP-VOC	0%	Decomposition Temperature	ND

**SECTION – 10 STABILITY AND REACTIVITY**

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, amines, bases, hexalithium disilicide, hydrogen peroxide, metal acetylides, permanganates, potassium, sodium, strong acids, sodium oxides, alkaline earth metals, zinc
Hazardous Decomposition	Burning or thermal decomposition can produce, hydrogen chloride gas, 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	May cause allergic skin reaction, Can cause serious skin damage
Inhalation	Harmful if inhaled, Mist, vapor or fumes may cause, respiratory irritation, allergic reactions, breathing difficulties
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	May cause allergic skin reaction, Causes serious skin damage, ulcerations, corrosive burns
Inhalation	Harmful if inhaled, Mist, vapor or fumes may cause, respiratory irritation, neurological effects, allergic reactions, asthmatic symptoms, May affect target organs, respiratory system, nervous system, liver, kidneys
Ingestion	Harmful if swallowed, Ingestion may affect, liver, kidneys, respiratory system, nervous system, Symptoms may include, nausea, vomiting, abdominal pain, liver or kidney irregularities, neurological disorders

Acute Tox Calculate	Oral:	570 mg/kg	Dermal:	17,857 mg/kg	Inhaled:	2.2 mg/l
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Acute Tox Category	Category 4 (Oral >300, ≤2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Category 4 (Inhaled >1.0, ≤5 mg/l) Dust or Mist
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Target Organs	Kidneys, Liver, Mucous Membranes, Skin, Eyes, Respiratory System, Nervous Systems
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Medical Conditions	Preexisting, eye, skin, liver, kidney, respiratory, mucous membranes, disorders may be aggravated by exposure to this product
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Notes to Physician	Treat symptoms, No specific recommendations known
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**CARCINOGENIC – This product contains concentrations above 0.1% of the following:**

CHEMICAL NAME	NTP	ACGIH	IARC	GHS Category
Sodium Dichromate	K (Known to be)	A1 (Confirmed for human)	1 (Proven for human)	Category 1B

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

CHEMICAL NAME	Germ Cell Mutagenicity	Toxic to Reproduction
Sodium Dichromate	Yes	Yes

**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)
Manganese(II) Chloride	LD50	Oral	Rat (F)	236 mg/kg	4 Hour (Dust)	3 (>50, ≤300 mg/kg)
Sodium Dichromate	LD50	Oral	Rat	50 mg/kg		2 (>5, ≤50 mg/kg)
	LC50	Inhaled	Rat	0.124 mg/l		1 (≤0.05 mg/l)
	LD50	Dermal	Rabbit	1000 mg/kg		4 (>1000, ≤2000 mg/kg)


**SECTION – 12 ECOLOGICAL INFORMATION**

CHEMICAL NAME	Type	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)
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)
Sodium Dichromate	LC50	Fathead Minnow	(Pimephales promelas)	33.2 mg/l	96 Hours	3 (>10, ≤100 mg/l)
	EC50	Green Algae	(Selenastrum capricorn)	0.217 mg/l	96 Hours	1 (≤1 mg/l)
	EC50	Water Flea	(Daphnia magna)	0.112 mg/l	48 Hours	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**

UN Number	Proper Shipping Name n.o.s. ( Chemicals ) or "Limits"					
UN 3264	CORROSIVE, LIQUID, ACIDIC, INORGANIC, n.o.s.(Hydrochloric Acid, Sodium Dichromate)					
Hazard Class	Packing Group	Label Codes	Reportable Quantity (lb)	Response	Marine Pollutant	Hazard Label
8	II	Corrosive Liquid	> (50,000)	154	No	
<b>Additional Info:</b>						

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

CHEMICAL NAME	Sec 8(b) Active Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Manganese(II) Chloride	Yes			
Hydrochloric Acid	Yes			
Sodium Dichromate	Yes			

**REPORTABLE QUANTITIES**

CHEMICAL NAME	Extremely Hazardous	Reportable Quantity	Emission Reporting
	EPCRA TPQ Sec 302 EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313
Hydrochloric Acid		5000	
Sodium Dichromate			Yes

**SARA**

CHEMICAL NAME	Section 311	Section 311 / 312 Hazards
	Hazardous Chemical	Acute Chronic Flammable Pressure Reactive
Manganese(II) Chloride	Yes	Yes
Hydrochloric Acid	Yes	Yes
Sodium Dichromate	Yes	Yes Yes

**RIGHT TO KNOW**

CHEMICAL NAME	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Manganese(II) Chloride								Yes					
Hydrochloric Acid	Yes				Yes	Yes	Yes	Yes		Yes	Yes	Yes	
Sodium Dichromate								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)

CHEMICAL NAME	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
Chromium Compounds				Yes	

**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

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

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