



SAFETY DATA SHEET

ColorBomb™ Stamped Concrete Powder Release Agent

Revision Date 12/14/2023

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name ColorBomb™ Stamped Concrete Powder Release Agent **Item**

Product Use Concrete Release Agent

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



Classification in accordance with (29 CFR 1910.1200)
US OSHA / HCS 2012 regulation

Signal Word Danger

Hazards PHYSICAL / HEALTH / ENVIRONMENTAL HAZARD STATEMENTS

May cause cancer
Causes damage to organs through prolonged or repeated exposure
lungs (if inhaled)

HAZARD CATEGORY CLASSIFICATION CODE

Category 1A Carcinogenicity H350
Category 1 STOT Repeat Exposure H372

Precautions HANDLING / PROTECTION / FIRE / STORAGE / DISPOSAL

Keep out of reach of children
Read label before use
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Do not breathe dust / fume / gas / mist / vapors / 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
Avoid release to the environment
Use personal protective equipment as required (See Section - 8)
Store locked up
Dispose of material in accordance with all State and Federal Guidelines and Regulations

CODE

P102
P103
P201
P202
P260
P262
P264
P270
P273
P281
P405
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
Limestone	Calcium Carbonate	1317-65-3		85 - 98%
Crystalline Silica	Silicon Dioxide, Quartz	14808-60-7		0.05 - 1%
Iron(III) Oxide Monohydrate	Iron Oxide Yellow Pigment ; Pigment Yellow 42	51274-00-1		0 - 8%
Iron(III) Oxide	Iron Oxide Red Pigment ; Diiron trioxide ; Ferric Oxide	1309-37-1		0 - 10%
Iron Oxide (II,III)	Iron Oxide Black Pigment	1317-61-9		0 - 12%

Note: This product typically contains crystalline silica (quartz sand) above 0.1 % as a naturally incurring impurity

SECTION – 4 FIRST AID MEASURES

Eye Contact Flush eyes with cold water while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists seek medical aid

Skin Contact Wash with soap and water, Remove any contaminated clothing and wash before reuse, If irritation occurs or persists seek medical aid

Inhaled Not applicable under normal use. If irritation is experienced, move person to fresh air

Ingested DO NOT INDUCE VOMITING, 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

Important Effects No additional effects beyond what is listed above

Important Symptoms No additional symptoms beyond what is listed above

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, calcium oxide, carbon oxides, Iron 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
Personal Precautions	Follow all safety precautions, Avoid slipping on spilled product
Protective Equipment	Safety Glasses, Gloves, Dust Respirator
Containment	Prevent product from entering the environment or water ways
Clean Up Procedures	Sweep up and place in disposal container
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 dust, Use appropriate safety equipment, Wash thoroughly after handling, Avoid release to the environment
Storage	Store in a closed container, Store away from incompatible materials
Incompatible Materials	Reactive with, chloroformates, peroxides, strong oxidizers

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
Crystalline Silica	0.025 mg/m ³		0.1 mg/m ³				Inhaled Dust
Limestone			15 mg/m ³	5 mg/m ³	10 mg/m ³	5 mg/m ³	Dust
Iron(III) Oxide	5 mg/m ³		10 mg/m ³			5 mg/m ³	Dust
Iron Oxide (II,III)	None Established						
Iron(III) Oxide Monohydrate	None Established						

PERSONAL PROTECTION

HMIS HAZARD RATINGS	
Health	1
Flammability	0
Reactivity	0
Personal Protection	E

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 dust mask designed to protect against inhalation of dust particles or if irritation is experienced
Response	Access to an eye wash station is a recommended safety precaution for handling / using this type of material
Ventilation	General Ventilation, If exposure limits listed above are exceeded, or irritation is experienced, use a MSHA / NIOSH approved dust mask or respirator

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	Not Flammable or Combustible	Specific Gravity / Density	~ 2.7
Flammable Limits (v)	NA	pH (± 0.3)	8.5 - 10
Auto-Ignition Temp.	NA	Viscosity (mm²s / cSt)	ND
Physical State	Solid, powder	Melting / Freeze Point	> 825°C
Appearance	Off-white, tan, red, yellow, orange, grey	Boiling Point	ND
Odor	None	Vapor Density (air=1)	ND
Odor Threshold	NA	Vapor Pressure (mmHg)	ND
Solubility	~ 1.5 mg/100 ml @ 25°C	Evaporation Rate (nBuAc=1)	ND
Volatiles	NA	Partition Coefficient	ND
VOC	NA	Molecular Weight (g/mol)	ND
LVP-VOC	NA	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	Reactive with, chloroformates, peroxides, strong oxidizers
Hazardous Decomposition	Burning or thermal decomposition can produce, calcium oxide, carbon oxides, Iron oxides

SECTION – 11 TOXICOLOGICAL INFORMATION**ROUTES OF EXPOSURE**

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

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes	May cause mechanical abrasive type irritation
Skin	May cause mild skin irritation
Inhalation	Dust may cause, respiratory irritation
Ingestion	May be harmful if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	May cause mechanical abrasive type irritation
-------------	---

Skin	May cause mechanical abrasive type irritation
Inhalation	May be harmful if inhaled, Causes damage to organs, lungs, May cause carcinogenic effects, by inhalation of dust, through prolonged or repeated exposure
Ingestion	May be harmful if swallowed
Acute Tox Calculated	Oral: > 2,000 mg/kg Dermal: > 2,000 mg/kg Inhaled: > 5 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	There may be no immediate signs or symptoms of exposure to hazardous concentrations of respirable crystalline silica. Always wear personal safety equipment when using, especially proper respiration protection
Target Organs	Lungs
Medical Conditions	Preexisting, lung, disorders may be aggravated by exposure to this product
Notes to Physician	Treat symptoms

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

<u>CHEMICAL NAME</u>	<u>NTP</u>	<u>ACGIH</u>	<u>IARC</u>	<u>GHS Category</u>
Crystalline Silica	K (Known to be)	A2 (Suspected for human)	1 (Proven for human)	1A (Known human)

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

<u>CHEMICAL NAME</u>	<u>Germ Cell Mutagenicity</u>	<u>Toxic to Reproduction</u>
None Listed	NA	NA

COMPONENTS ACUTE TOXICITY

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Iron(III) Oxide			No data available			
Iron oxide (II,III)	LD50	Oral	Rat	> 5,000 mg/kg		(>2000 mg/kg)
Iron(III) Oxide Monohydrate			No data available			
Limestone			No data available			

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>
Iron(III) Oxide			No data available			
Crystalline Silica	LD50	Carp	(Cyprinus Carpio)	>10,000 mg/l	72 Hours	4 (>100 mg/l)
Iron oxide (II,III)	LC50	Zebra Fish	(Danio rerio)	> 100,000 mg/l	96 Hours	4 (>100 mg/l)
	EC50	Water Flea	(Daphnia magna)	> 10,000 mg/l	48 Hours	4 (>100 mg/l)
Iron(III) Oxide Monohydrate			No data available			
Limestone			No data available			
Presistence And Degradability	No data available					
Bioaccumulative Potential	There is no evidence to suggest bioaccumulation will occur					
Mobility In Soil	This material is a partially mobile liquid					
Other Adverse Effects	None known					

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	Dispose of empty container in trash or recycling
Material Disposal	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"						
Not Regulated	Non Regulated Material						
<u>Hazard Class</u>	<u>Packing Group</u>	<u>Label Codes</u>	<u>Reportable Quantity (lb)</u>	<u>Response</u>	<u>Marine Pollutant</u>	<u>Hazard Label</u>	<u>Secondary</u>
None	None	None	None	128	No		
Additional Info:							

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>
Limestone	Yes			
Iron oxide (Fe3O4)	Yes			
Ferric Oxide	Yes	Yes	Yes	
Iron(III) Oxide Monohydrate	Yes			
Crystalline Silica	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	RCRA Code	RMP TQ Sec 112r
None Listed						

SARA Section 311 Section 311 / 312 Hazards

CHEMICAL NAME	Section 311		Section 311 / 312 Hazards			
	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive
Ferric Oxide	Yes	Yes	Yes			
Crystalline Silica	Yes		Yes			

RIGHT TO KNOW

CHEMICAL NAME	STATE												
	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Iron oxide (II,III)						Yes		Yes			Yes		
Ferric Oxide			Yes			Yes		Yes	Yes	Yes	Yes	Yes	
Crystalline Silica						Yes		Yes			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

CHEMICAL NAME	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
Crystalline Silica	14808-60-7			Yes	

CLEAN AIR WATER ACTS

CHEMICAL NAME	CAS #	Clean Air Acts			Clean Water Acts		
		HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
None Listed							

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
Crystalline Silica	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.