

SAFETY DATA SHEET

Resurface-It™ Concrete Overlay

Revision Date 8/28/2023

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Resurface-It™ Concrete Overlay **Item**

Grey and White

Product Use Concrete Surface Repair

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

Causes severe skin burns and eye damage
May cause an allergic skin reaction
Causes serious eye damage
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause respiratory irritation
May cause cancer

HAZARD CATEGORY CLASSIFICATION CODE

Category 1B	Skin & Eye (Corrosion)	H314
Category 1	Sensitization (Skin)	H317
Category 1	Eye (Damage / Irritation)	H318
Category 1	Sensitization (Respiratory)	H334
Category 3	STOT Single Exposure	H335
Category 1A	Carcinogenicity	H350

Precautions HANDLING / PROTECTION / FIRE / STORAGE / DISPOSAL

Do not handle until all safety precautions have been read and understood
Do not breathe 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
Wear protective gloves / protective clothing / eye protection / face protection
In case of inadequate ventilation wear respiratory protection
Store in a well-ventilated place, Store locked up, Keep container tightly closed
Dispose of material in accordance with all State and Federal Guidelines and Regulations

CODE

P202
P260
P262
P264
P270
P271
P280
P285
P403+P405+P233
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
Kaorock Kaolin	Anhydrous Aluminum Silicate	92704-41-1	Kaolin	1 - 5%
Poly(ethylene-co-vinyl acetate)		24937-78-8		1 - 5%
Portland Cement	Cement	65997-15-1	Calcium Sulfate <8% ; Calcium Carbonate <5% ; Crystalline Silica <0.11% ; Magnesium Oxide <1.9%	1 - 30%

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, call a poison center or doctor for medical attention

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 Exposure can affect, lungs (if inhaled), skin

Important Symptoms Symptoms may include, allergic skin reactions, breathing difficulties, allergic asthmatic breathing reactions

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, carbon oxides, silicon 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, Wear Personal Protective Equipment, Do not walk through spill
Protective Equipment	Safety Glasses, Gloves, Dust Respirator
Containment	Prevent spill from entering the environment
Clean Up Procedures	Sweep up and place in disposal 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 dust, Use appropriate safety equipment, and adequate ventilation, Do not smoke, eat or drink while using, Wash thoroughly after handling, Avoid release to the environment, Empty containers retain product residue (vapors, liquid or solids) observe all precautions when handling
Storage	Keep container closed when not in use, Keep only in original container, Store away from incompatible materials
Incompatible Materials	Incompatible with, hydrogen fluoride, strong acids, 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
Kaolin	2 mg/m³		5 mg/m³	Total Dust 15 mg/m³	10 mg/m³	5 mg/m³	Inhaled Dust
Portland Cement	1 mg/m³		Total Dust 15 mg/m³		Total Dust 10 mg/m³		Dust
Calcium Sulfate	10 mg/m³		15 mg/m³		10 mg/m³		Dust

PERSONAL PROTECTION**HMS HAZARD RATINGS**

Health	2
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
Body	"If Situation Requires" - Wear chemical resistant impervious protective clothing if exposure is considered to be likely when handling / using this material
Response	Access to an eye wash station is a recommended safety precaution for handling / using this type of material
Ventilation	Ventilate to keep dusts of this material below the lowest ppm listed above, If over Threshold Limit Value use a MSHA / NIOSH approved High-efficiency particulate respirator with full facepiece, The safety equipment information supplied is for general use and may not insure complete safety for the user, "Consulting with a Safety Equipment Supplier is recommended"

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	NA	Specific Gravity / Density	~ 2.70
Flammable Limits (v)	NA	pH (± 0.3)	ND
Auto-Ignition Temp.	NA	Viscosity (mm²s / cSt)	ND
Physical State	Solid	Melting / Freeze Point	ND
Appearance	White to Grey powder	Boiling Point	ND
Odor	Light	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mmHg)	ND
Solubility	< 3%	Evaporation Rate (nBuAc=1)	ND
Volatiles	0%	Partition Coefficient	ND
VOC	< 0.02%	Molecular Weight (g/mol)	ND
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, hydrogen fluoride, strong acids, strong oxidizers
Hazardous Decomposition	Burning or thermal decomposition can produce, carbon oxides, silicon 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 Dust may cause irritation, allergic reactions, breathing difficulties
Ingestion May be harmful if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes serious eye damage
Skin May cause allergic skin reaction, Causes serious skin damage
Inhalation Dust can cause irritation, allergic reactions, breathing difficulties
Ingestion May be harmful if swallowed

Acute Tox Calculated **Oral:** > 5,000 mg/kg **Dermal:** > 5,000 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

Target Organs Lungs, Skin, Eyes

Medical Conditions Preexisting, eye, skin, 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>
Calcium Sulfate	LD50	Oral	Rat	1,581 mg/kg		4 (>300, ≤2000 mg/kg)
	LC50	Inhaled	Rat	> 3.26 mg/l	4 Hours (Dust)	4 (>1.0, ≤5 mg/l)
Portland Cement	LD50	Oral	Rat	5,000 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>
Crystalline Silica	LD50	Carp	(Cyprinus Carpio Linnaeus)	>10,000 mg/l	72 Hours	4 (>100 mg/l)

Presistence And Degradability No Data Available
Bioaccumulative Potential No data available
Mobility In Soil No data available
Other Adverse Effects No data available

SECTION – 13 DISPOSAL CONSIDERATIONS

Disposal Statement DO NOT DUMP INTO ANY STORM 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, Triple rinse small empty containers then offer for recycling. If not available, puncture and dispose in a sanitary landfill

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**

<u>UN Number</u>	<u>Proper Shipping Name</u>	<u>n.o.s. (Chemicals) or "Limits"</u>
Not Regulated	Not dangerous goods	

<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**

CHEMICAL NAME	Sec 8(b) Active Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Portland Cement	Yes			
Calcium Carbonate	Yes			
Crystalline Silica	Yes			
Kaolin	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

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

RIGHT TO KNOW

RIGHT TO KNOW						STATE							
CHEMICAL NAME	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Poly(ethylene-co-vinyl acetate)							Yes	Yes					
Crystalline Silica						Yes		Yes			Yes		
Kaolin						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	
Titanium Dioxide < 0.0001%	13463-67-7			Yes	

CLEAN AIR WATER ACTS

<u>CLEAN AIR WATER ACTS</u>		Clean Air Acts			Clean Water Acts		
CHEMICAL NAME	CAS #	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.

Print Date 8/28/2023

-- End of Safety Data Sheet --

Supersedes Safety Data Sheet Dated