

## Liquid Colors


### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME:</b> Stone Edge Surfaces Liquid Colors	<b>MANUFACTURER:</b> Turley International Resources, LLC.
<b>PRODUCT USE:</b> Natural Pigment Used to Color Concrete	4322 South 80 <sup>th</sup> Street
<b>SUPPLIER:</b> N/A	Mesa, AZ 85212 - USA
	TEL: 844-786-6333 E: info@stoneedgesurfaces.com
<b>EMERGENCY:</b> CHEMTREC P: 703-527-3887 F:703-527-3887 (International)	<b>MEDICAL:</b> 3E Company P:800-451-8346 F:760-602-8856 (International)

### SECTION 2 – HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE MIXTURE:		
HAZARD CLASS	CATEGORY	HAZARD STATEMENTS
Acute Toxicity, Oral	1	May be Harmful if swallowed
Acute Toxicity, Dermal	1	May cause skin irritation
Skin corrosion / irritation	1	May cause skin irritation
Serious eye damage / Eye irritation	1	May cause eye irritation
Carcinogenicity	-	Not known to be cancer causing
Specific target organ toxicity, single exposure	1	May cause respiratory irritation
Specific target organ toxicity, repeated exposure	1	The inhalation of respirable iron oxide particles at an average concentration of 12.7 mg/m3 for 30 minutes by human volunteers was reported to not significantly affect alveolar epithelial permeability, lung diffusing capacity, or pulmonary function (Lay et al. 2001).

<b>OSHA HAZARD COMMUNICATION STANDARD:</b>	This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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<b>GHS LABEL ELEMENTS:</b>	<b>SIGNAL WORD:</b> Caution	<b>PICTOGRAM(S):</b> 
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#### PRECAUTIONARY STATEMENTS:

HEADING	OSHA Ref. #	Instructions
<b>PREVENTION:</b>	P201	Obtain special instruction before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P281	Use personal protective equipment as required.
	P271	Use only outdoors or in a well-ventilated area.
	P260	Do not breathe dusts or mists.
	P270	Do not eat, drink, and smoke when using this product.
	P280	Wear protective gloves/ protective clothing / eye protection/ face protection.
<b>RESPONSE:</b>	P264	Wash exposed area with plenty of water and soap thoroughly after handling.
	P301 + P330 + P312	IF SWALLOWED: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.
	P331	Do not induce vomiting.
	P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P363	Wash contaminated clothing before reuse.
	P304 + P340 + P310	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician
<b>STORAGE:</b>	P305+ P351+ P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308+ P313	IF exposed or concerned: Get medical advice/attention.
<b>DISPOSAL:</b>	P403 + P235 + P405	Store in a well-ventilated place. Keep cool. Store Locked Up
	P501	Dispose of contents/container to hazardous or special waste collection point in accordance with local/regional/national/international regulations

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	EC #	Concentration, %
Silicon Dioxide (amorphous)	7631-86-9	262-373-8	1
Iron Oxide	1309-37-1	215-168-2	99

<b>Trace Elements:</b>	Some of Stone Edge Surfaces Liquid Colors is made from materials mined from the earth and is processed using energy provided by fuels. Trace amounts of naturally occurring, potentially harmful chemical might be detected during chemical analysis. Other trace constituents may include calcium oxide, free magnesium oxide, potassium and sodium sulfate compounds, and trace metal compounds.
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### SECTION 4 – FIRST AID MEASURES

**EMERGENCY INFORMATION:** Stone Edge Surfaces Liquid Colors are natural pigments that come in 16 different colors. Contact with eyes, skin or if ingested or inhaled may cause irritation. Inhalation may cause or may aggravate certain lung diseases or conditions. Use exposure controls or personal protection methods described in Section 8.

**EYES:** Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Call physician immediately.

**SKIN:** Wash skin with cool water and pH-neutral soap or a mild detergent. Seek medical treatment if irritation or inflammation develops or persists. Seek immediate medical treatment in the event of burns.

**INHALATION:** Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek medical help if coughing and other symptoms do not subside. Inhalation of large amounts of Liquid Colors require immediate medical attention.

**INGESTION:** Do not induce vomiting. If conscious, have victim drink plenty of water and call a physician immediately.

### SECTION 5 – FIREFIGHTING MEASURES

<b>SUITABLE EXTINGUISHING MEDIA:</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>UNSUITABLE EXTINGUISHING MEDIA:</b>	Do not use water jet and halogenated compounds
<b>SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:</b>	This product is non-flammable and non-combustible. Containers at risk from fire should be cooled with water spray and, if possible, removed from the danger area.
<b>HAZARDUS COMBUSTION PRODUCTS:</b>	None.
<b>SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:</b>	Firefighters should wear full protective gear.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>EMERGENCY PROCEDURES:</b>	Keep unnecessary and unprotected personnel from entering spill area. Do not touch or walk through spilled material.
<b>PROTECTIVE EQUIPMENT:</b>	Use exposure control and personal protection methods as described in Section 8. Ensure adequate ventilation/exhaust extraction. Avoid inhalation of dust or mists and contact with skin and eyes during clean up.
<b>PROPER METHODS OF CONTAINMENT:</b>	Collect dry material using a scoop. Avoid actions that cause dust to become airborne. Do not dry sweep. Avoid inhalation of dust and contact with skin. Vacuum dust with equipment fitted with HEPA filter and place in a designated labeled waste container. If material is wet, use appropriate liquid absorbing materials to collect wet material and place in an appropriate container. Allow the material to dry before disposal. For major spills of dry material: approach from upwind. Prevent wind dispersal.
<b>CLEANUP:</b>	Seal the container(s), remove from spill area and properly dispose of the waste material in accordance with existing federal, state and local regulations.
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater, basements or confined areas. Inform the relevant authorities if the product has accessed waterways or other natural areas. See Section 12 for more details.

### SECTION 7 – HANDLING AND STORAGE

<b>PRECAUTIONS FOR SAFE HANDLING:</b>	Do not breathe dust. Use adequate ventilation and/or dust collection methods. Use all available work practices to control dust exposures, such as water sprays. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Avoid breakage of bagged material or spills of bulk material. Wear appropriate respiratory, eye and skin protection. Avoid contact with skin and eyes. Wash hands thoroughly after handling. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Hands and/or face should be washed before eating, drinking and smoking and at the end of the shift. Wash or vacuum clothing when becomes dusty. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure by obtaining and following special instructions before use. Do not handle until all safety precautions have been read and understood.
<b>PRECAUTIONS FOR STORAGE:</b>	Store in original or approved alternative container protected from direct sunlight in a dry, cool and well-ventilated area away from incompatible materials (see below for details) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed.
<b>INCOMPATIBILITIES:</b>	Silica reacts violently with powerful oxidizing agents such as hydrofluoric acid, fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, oxygen difluoride, hydrogen peroxide, acetylene, ammonia yielding possible fire and/or explosions. Silicates dissolve readily in hydrofluoric acid producing a corrosive gas silicon tetrafluoride.

### SECTION 8 – PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

#### OSHA'S PERMISSIBLE EXPOSURE LIMITS (PEL)

COMPONENTS	CAS #	OSHA PEL mg/m <sup>3</sup> (e)	Cal/OSHA PEL 8-hour TWA, mg/m <sup>3</sup>	NIOSH REL Up to 10-hour TWA, mg/m <sup>3</sup>	ACGIH 2017 TLV 8hrs TWA, mg/m <sup>3</sup>
Silicon Dioxide (Amorphous)	7631-86-9	20	20	6	No Data
Iron Oxide	1309-37-1	10	5	5	5

**ENGINEERING CONTROLS:** Avoid actions that cause dust to become airborne. Use local exhaust or general dilution ventilation to control exposure within applicable limits.

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### PERSONAL PROTECTIVE EQUIPMENT (PPE).

<b>RESPIRATORY PROTECTION:</b>	Use local exhaust or general dilution ventilation to control dust levels below applicable exposure limits. Minimize dispersal of dust into air. If local or general ventilation is not adequate to control dust levels below applicable exposure limits or when dust causes irritation or discomfort, use MSHA/NIOSH approved respirators.
<b>EYE PROTECTION:</b>	Wear safety glasses with side shields or goggles to avoid contact with eyes
<b>SKIN PROTECTION:</b>	Wear impervious abrasion and alkali-resistant gloves, boots, long sleeve shirt, long pants or other protective clothing to prevent skin contact. Promptly remove clothing dusty with product or clothing dampened with product, and launder before re-use. If contact occurs, wash areas contacted by material with pH neutral soap and water.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>VISCOSITY</b>	Not Applicable	<b>APPEARANCE:</b>	Colored gritty liquid
<b>ODOR &amp; ODOR THRESHOLD:</b>	Odorless	<b>FLASH POINT:</b>	Not Applicable, Not Flammable, Not Combustible
<b>BOILING POINT:</b>	>1000°C	<b>MELTING POINT:</b>	>1000°C
<b>EVAPORATION RATE:</b>	Not Applicable	<b>FLAMMABILITY (SOLID/GAS)</b>	Not Applicable
<b>VAPOR PRESSURE:</b>	Not applicable	<b>pH (IN WATER): (ASTM D 1293-95)</b>	4-8 @ 50 g/l H2O in aqueous suspension; DIN 787/9
<b>VAPOR DENSITY:</b>	Heavier than Air	<b>SOLUBILITY IN WATER:</b>	Slightly
<b>RELATIVE DENSITY</b>	Not Applicable	<b>UPPER/LOWER FLAMMABILITY</b>	Not Flammable, Not Explosive
<b>PARTITION COEFFICIENT: n-octano/wtr.</b>	Not Applicable	<b>AUTO IGNITION TEMPERATURE</b>	Not Flammable

### SECTION 10 – STABILITY AND REACTIVITY

<b>CHEMICAL STABILITY:</b>	Product is stable		
<b>CHEMICAL REACTIVITY:</b>	Hazardous Polymerization:	Will not occur.	
	Corrosion to Metals:	None Known	
	Oxidizing Properties:	Not classified as oxidizing.	
<b>CONDITIONS TO AVOID:</b>	Unintentional contact with inorganic acids		
<b>INCOMPATIBILITY:</b>	- <b>Silica</b> reacts violently with powerful oxidizing agents such as hydrofluoric acid, fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, oxygen difluoride, hydrogen peroxide, acetylene, ammonia yielding possible fire and/or explosions. Silicates dissolve readily in hydrofluoric acid producing a corrosive gas silicon tetrafluoride.		
<b>HAZARDOUS DECOMPOSITION:</b>	None		

### SECTION 11 – TOXICOLOGY INFORMATION

<b>LIKELY ROUTES OF EXPOSURE:</b>	Skin and Eye Contact, Inhalation and Ingestion.
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#### SYMPTOMS OF EXPOSURE:

<b>ACUTE TOXICITY</b>	<b>INGESTION:</b>	May be harmful if swallowed. In animal toxicity testing, this product required greater than 5000mg/kg administered orally, to produce toxic effects in laboratory studies. Excessive amounts may cause nausea, weakness, muscle twitches, gastrointestinal irritation, and diarrhea. Severe overexposure may cause convulsions, unconsciousness, and death.
	<b>INHALATION:</b>	May cause respiratory tract irritation and coughing. Some ingredients may contain trace amounts of crystalline silica. Exposure to these ingredients in excess of the applicable TLV or PEL (see Section 2) may cause or aggravate other lung conditions. Prolonged inhalation of amorphous silica may produce x-ray changes in the lungs without disability
	<b>SKIN CORROSION SKIN IRRITATION</b>	Exposure during the handling or mixing of the dry ingredients may cause drying of the skin with consequent mild irritation or more significant effects attributable to aggravation of other conditions.
	<b>SERIOUS EYE DAMAGE &amp; IRRITATION</b>	Wet or Dry product may cause irritation, tearing, redness.
	<b>SPECIFIC TARGET ORGAN GENERAL TOXICITY: SINGLE EXPOSURE:</b>	This product contains components that may cause respiratory tract irritation after single exposure.
	<b>SPECIFIC TARGET ORGAN GENERAL TOXICITY: REPEAT EXPOSURE</b>	This product contains components that may cause respiratory tract irritation (asthma, bronchitis, emphysema, and chronic obstructive pulmonary disease), lung disease or lung cancer, kidney disease, tuberculosis, silicosis, autoimmune and kidney diseases after prolonged and repeat exposure to airborne free respirable crystalline silica if product is handled without adequate protection.
	<b>ASPIRATION HAZARD:</b>	Not an aspiration hazard.

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CHRONIC TOXICITY	<b>Respiratory and Skin Sensitizer:</b>	No Data Available		
	<b>Generative Cell Mutagenicity</b>	Risk to humans is not expected from exposure to this product		
	<b>Carcinogenicity:</b>	<p><b>This product contains components reported to be carcinogenic to humans. Group 1).</b></p>	<p>Iron Oxide, CAS #: 1309-37-1:</p>	<p>Reports have associated repeated and prolonged overexposure iron oxide fume to produce changes in lung x-rays of exposed individuals. This condition, siderosis, is considered to be a benign pneumoconiosis that exhibits no adverse health effects. Siderosis has been observed among occupations such as arc-welders where iron oxide fumes are present. To the best of our knowledge, this condition has not been observed after prolonged exposure to iron oxide pigments.</p>
	<p>Amorphous Silica, CAS #: 7631-86-9:</p>		<table border="1"> <tr> <td>IARC:</td> <td>Group 3 (Not Classifiable as to its Carcinogenicity to Humans)</td> </tr> </table>	IARC:
IARC:	Group 3 (Not Classifiable as to its Carcinogenicity to Humans)			

**Reproductive Toxicity:** Risk to humans is not expected from exposure to this product.

**General Product Warning:** Adverse effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.

### SECTIONS 12 – ECOLOGICAL INFORMATION

<b>ECOTOXICITY</b>	Not classified as environmentally hazardous.
<b>PERSISTENCE AND DEGRADABILITY:</b>	No information available for the product
<b>BIOACCUMULATIVE POTENTIAL:</b>	No information is available for the product
<b>MOBILITY IN SOIL:</b>	No information is available for the product
<b>OTHER ADVERSE EFFECTS:</b>	No information is available for the product

**ECOTOXICITY TEST RESULTS:** No Data is Available for this product mixture. Results for components, where available:

Iron Oxide	Not known to be ecotoxic: no data suggests that is toxic to birds, fish, invertebrates or plants
Amorphous Silica	Not known to be ecotoxic: no data suggests that is toxic to birds, fish, invertebrates or plants

### SECTION 13 – DISPOSAL CONSIDERATIONS

<b>PRODUCT DISPOSAL:</b>	The generation of waste should be avoided or minimized wherever possible. If product becomes a waste, it does not meet criteria of hazardous waste as defined in 40 CFR 261, Subpart C and D. Do not discharge or dump material into sewer system, the ground or bodies of water. Spill cleanup residues may still be subject to RCRA storage and disposal requirements. Dispose waste in compliance with local, state and federal regulations via licensed waste disposal contractor. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations
<b>CONTAINER DISPOSAL:</b>	Even after emptying, container may retain residues. Containers should be completely emptied and safely stored until appropriately reconditioned or dispose of (contents/container) in accordance with local/regional/national/international regulations.

### SECTION 14 – TRANSPORTATION CONSIDERATIONS

<b>Land transport, U.S. DOT:</b>	Non-Regulated but labeled as Paint Related Material & Inorganic Oxide
<b>Sea transport, IMDG</b>	Non-Regulated
<b>Air transport, IATA/ICAO:</b>	Non-Regulated

### SECTION 15 – REGULATORY INFORMATION (Non-Mandatory Section as per OSHA: Not a Complete List)

INTERNATIONAL INVENTORIES		
TSCA	United States Toxic Substances Control Act Section 8(b) Inventory	Does not comply
DSL/NDSL	Canadian Domestic Substances List/Non-Domestic Substances List	Does not comply
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances	Does not comply
ENCS	Japan Existing and New Chemical Substances	Does not comply
IECSC	China Inventory of Existing Chemical Substances	Does not comply
KECL	Korean Existing and Evaluated Chemical Substances	Does not comply
PICCS	Philippines Inventory of Chemicals and Chemical Substances	Does not comply
AICS	Australian Inventory of Chemical Substances	Does not comply

#### U.S. FEDERAL REGULATIONS

**OSHA HCS:** This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29CFR 1910.1200.

<b>SARA 313</b>	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372	
<b>SARA 311/312 Hazard Categories</b>	Acute health hazard	No
	Chronic Health Hazard	No
	Fire hazard	No

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	Sudden release of pressure hazard	No
	Reactive Hazard	No
<b>Clean Water Act</b>	This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)	
<b>Clean Air Act</b>	Ozone Depleting Substances (ODS): This product does not contain and is not manufactured with ozone depleting substances. Hazardous Air Pollutants, OSHA, Section 112(b), Table Z-1 and Table Z-3:	
<b>CERCLA</b>	This material, as supplied, does not contain one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)	

### US STATE REGULATIONS (If Known)

STATE	INFORMATION
CA Proposition 65	Ingredients in this product are not listed on California's Prop 65 list: "Chemicals Known to the State to Cause Cancer or Reproductive Toxicity."
U.S. State Right-to-Know Regulations	Unknown
U.S. EPA Label Information	Unknown

### SECTION 16 – OTHER INFORMATION

#### HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

I-Protective Equipment: Safety glasses, gloves, Respirator

<b>Health</b>	<b>0</b>
<b>Flammability</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>I</b>

#### OTHER INFORMATION:

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY TURLEY INTERNATIONAL RESOURCES, LLC., except that the product shall conform to contracted specifications. The information provided herein was believed by TURLEY INTERNATIONAL RESOURCES, LLC. to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. Buyer's exclusive remedy shall be for damages and no claim of any kind, whether as to product delivered or for non-delivery of product, failure of product due to manufacturers defect, and whether based on contract, breach of warranty, negligence, or otherwise shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages or labor of any kind, whether Buyer's claim is based on contract, breach of warranty, negligence, manufacturers defect, product failure, or otherwise.

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