

Deck Seal

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION


PRODUCT NAME: Stone Edge Surfaces Deck Seal	MANUFACTURER: Turley International Resources, LLC.
PRODUCT USE: Concrete or Wood Deck Top Coat Waterproofing Sealer with a Matte Finish	4322 South 80 th Street
SUPPLIER: N/A	Mesa, AZ 85212 - USA
	TEL: 844-786-6333 E: info@stoneedgesurfaces.com
EMERGENCY: Contact Local Hospital or call 911 in US	

SECTION 2 – HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE MIXTURE:

HAZARD CLASS	CATEGORY	HAZARD STATEMENTS
Acute Toxicity, Oral	5	Harmful or Fatal if swallowed
Acute Toxicity, Inhalation (Vapors)	5	Harmful or Fatal if Inhaled
Acute Toxicity, Dermal	1A	May be harmful in contact with skin.
Skin corrosion / irritation	1A	May cause skin irritation. May cause allergic reaction
Serious eye damage / Eye irritation	2B	May cause eye irritation, damage
Carcinogenicity	-	No Information Available
Specific target organ toxicity, single exposure	3	May cause respiratory, eye and skin irritation
Specific target organ toxicity, repeated exposure	-	No Information Available
Aspiration Toxicity	-	No Information Available
Flammable Liquid	1	Not Flammable
Hazardous to Aquatic Life	-	No Information Available

OSHA HAZARD COMMUNICATION STANDARD:	This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
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GHS LABEL ELEMENTS:	SIGNAL WORD: Warning!	PICTOGRAM(S): 
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PRECAUTIONARY STATEMENTS:

HEADING	OSHA Ref. #	Instructions
PREVENTION:	P201	Obtain special instruction before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P233	Keep Container Tightly Closed
	P261	Avoid breathing dust/fumes/gas/mist/vapors/spray.
	P270	Do not eat, drink, and smoke when using this product.
	P271	Use only outdoors or in a well-ventilated area
	P272	Contaminated work clothing should not be allowed out of the workplace
	P280	Wear protective gloves/ protective clothing / eye protection/ face protection.
RESPONSE:	P264	Wash exposed area with plenty of water and soap thoroughly after handling.
	P301 + P330 + P312 + P331	IF SWALLOWED: Rinse mouth. Call a POISON CENTER or physician immediatel. DO NOT induce Vomiting
	P303 + P361 + P353 + P315	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If you feel unwell Get immediate medical advice/attention
	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
	P305+ P351+ P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek Medical Attention if irritation persists
STORAGE:	P370 + P378	In case of fire use, "alcohol resistant" foam, dry chemical, halon or carbon dioxide to extinguish. Collect spillage
	P308 + P310 + P313	IF exposed or concerned: Get medical advice/attention. Immediately call a POISON CENTER or doctor/ physician.
DISPOSAL:	P403 + P404 + P235 + P405 + P233	Store in well Ventilated Place. Store in a Closed Container. Keep cool. Store Locked Up. Keep Container tightly closed
	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, %	Trade Secret
Ethylene Glycol	107-21-1		.7 - .8	*
Titanium Dioxide	13463-67-7		3.9 – 1.0	*
Crystalline Silica (Quartz)	14808-60-7		17.7 – 17.9	*

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Non-Hazardous Ingredient(s)	-	-	Remainder	*
*The exact percentage (concentration) of composition has been withheld as a trade secret				

SECTION 4 – FIRST AID MEASURES

<p>EMERGENCY INFORMATION: Stone Edge Surfaces Pro Seal Supreme is a milky white liquid. Move person out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance. Use exposure controls or personal protection methods described in Section 8. Symptoms: Eye, Skin and respiratory Irritation. Note to Physician: Treat symptomatically. For additional information, see Safety Data Sheet</p>	<p>EYES: Immediately flush eye thoroughly with water. Remove contacts if easy to do. Continue flushing eye for at least 15 minutes, including under lids. If eye irritation persists: Get medical advice/attention. SKIN: Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice or attention. 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 require immediate medical attention. INGESTION: Do not induce vomiting. If conscious, have victim drink plenty of water and call a physician immediately. Never give anything by mouth to an unconscious person</p>
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SECTION 5 – FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Product is not combustible. Use water spray (fog), alcohol-resistant foam, dry chemical, or carbon dioxide for surrounding fire
UNSUITABLE EXTINGUISHING MEDIA:	Not applicable
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	None known
HAZARDUS COMBUSTION PRODUCTS:	Carbon Dioxide, Carbon Monoxide
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:	Wear self-contained breathing apparatus and protective suit. Closed containers may explode due to pressure caused by heat.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES:	Keep unnecessary and unprotected personnel from entering spill area. Do not touch or walk through spilled material.
PROTECTIVE EQUIPMENT:	In case of spill wear appropriate personal protective equipment during any cleanup and response activities. Avoid skin contact and inhalation.
PROPER METHODS OF CONTAINMENT:	Prevent further leakage or spillage if safe to do so. Dike and contain spill with inert absorbent materials, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13. Dispose according to local regulations for hazardous waste.
CLEANUP:	Pick up and transfer to properly labeled containers
ENVIRONMENTAL PRECAUTIONS:	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater, basements or confined areas. Large spills in waterways may be hazardous. 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

PRECAUTIONS FOR SAFE HANDLING:	Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands and skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection
PRECAUTIONS FOR STORAGE:	Keep at a temperature not exceeding 38 Degrees C (100 Degrees F). Do not allow material to freeze. Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
INCOMPATIBILITIES:	None Known

SECTION 8 – PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

OSHA's PERMISSIBLE EXPOSURE LIMITS (PEL)

Ingredient	CAS#	Weights	Exposure Limits
Ethylene Glycol	107-21-1	.7 - .8	ACGIH C 100 MG/M ³ OSHA TLV-C 50 PPM
Titanium Dioxide	13463-67-7	3.9 – 1.0	OSHA PRL -TWA10 MG/M ³ Total Dust OSHA PEL 5 MG/M ³ Respirable fraction
Crystalline Silica (Quartz)	14808-60-7	17.7 – 17.9	OSHA PEL .025 MG/M ³ total Dust ACGIH 5 mg/m ³ Respirable Dust

ENGINEERING CONTROLS:	Local Exhaust preferable. General/Local ventilation acceptable.
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PERSONAL PROTECTIVE EQUIPMENT (PPE).

RESPIRATORY PROTECTION:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators
EYE PROTECTION:	Wear face shield or safety glasses with side shields or goggles
SKIN PROTECTION:	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant gloves at minimum. Wash skin immediately upon contact. Wash hands at mealtime and end of shift. Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of the work day.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

SOLIDS BY VOLUME	44.0 +-1.5%	APPEARANCE:	Milky White Liquid
ODOR & ODOR THRESHOLD:	Mild Slight Glue Smell	FLASH POINT:	100 Deg. C (212 Deg. F)
BOILING POINT:	100 Deg. C (212 Deg. F)	MELTING POINT/Freezing Point:	Melting N/A / Freezing 32 Deg. F
EVAPORATION RATE:	Slower than Ether	FLAMMABILITY (SOLID/GAS)	Not Relevant
VAPOR PRESSURE:	Not Available	pH (IN WATER): (ASTM D 1293-95)	Not Relevant
VAPOR DENSITY:	Heavier Than Air	SOLUBILITY IN WATER:	Soluble in Water
RELATIVE DENSITY	1.017 @ 70 Degrees F	UPPER/LOWER FLAMMABILITY	Not Flammable
PARTITION COEFFICIENT: n-octano/wtr.	Not Available	AUTO IGNITION TEMPERATURE	Not Available
WEIGHT/GALLON	10.85 – 11.05 lb/gal 1306-1330 g/l	SPECIFIC GRAVITY	1.303 – 1.327
VOLATILE ORGANIC COMPOUNDS (VOC THEORETICAL-AS PACKAGED)	45.5 g/l Less Water and Federally Exempt Solids		

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable		
CHEMICAL REACTIVITY:	Hazardous Polymerization:	Will not occur under normal conditions of storage and use	
	Corrosion to Metals:	No Data Available	
	Oxidizing Properties:	No Data Available	
CONDITIONS TO AVOID:	None Known		
INCOMPATIBILITY:	None Known		
HAZARDOUS DECOMPOSITION:	By Fire: Carbon Dioxide, Carbon Monoxide		

SECTION 11 – TOXICOLOGY INFORMATION

CHRONIC HEALTH HAZARDS

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."
Crystalline Silica classified Group 2 by IARC

TOXICOLOGY DATA

CAS No.	Ingredient Name			
107-21-1	Ethylene Glycol	LC50 RAT Inhalation	6HR	2.5 mg/l
		LC50 RAT Oral		2,000 mg/kg
13463-67-7	Titanium Dioxide	LC50 RAT Oral		1,000 mg/kg
14808-60-7	Crystalline Silica (Quartz)	LC50 RAT Oral		>22,500 mg/kg

LIKELY ROUTES OF EXPOSURE:	Direct Contact with Skin, Eye and Ingestion, and Inhalation of vapors.
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SYMPTOMS OF EXPOSURE:

Ingestion may cause nausea, vomiting and diarrhea. Exposure causes mild skin irritation. Exposure causes eye irritation. Depending on concentration of residual monomers (typically <0.1%), vapors can collect above the liquid in closed containers. These vapors may result in eye and upper respiratory tract irritation.

ACUTE TOXICITY	INGESTION:	Harmful or fatal if swallowed. Adverse symptoms may include, abdominal pain, nausea and diarrhea.
	INHALATION:	May cause respiratory tract irritation and coughing. Symptoms may include coughing, difficult breathing and chest pain.
	SKIN CORROSION SKIN IRRITATION	Irritating to skin
	IRRITATION	Irritating to eyes, respiratory system and skin
	EYE DAMAGE & IRRITATION	Irritating to eyes
	SPECIFIC TARGET ORGAN GENERAL TOXICITY SINGLE EXPOSURE:	This product contains components that may cause respiratory tract, eye and skin irritation after single exposure.
	SPECIFIC TARGET ORGAN GENERAL TOXICITY REPEAT EXPOSURE:	None known
	ASPIRATION HAZARD:	No Data Available

CHRONIC TOXICITY	Respiratory and Skin Sensitizer:	No Data Available
	Generative Cell Mutagenicity	No Data Available
	Carcinogenicity:	This product does contain carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

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Reproductive Toxicity:	WARNING: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.
General Product Warning:	May be harmful or fatal if swallowed.

SECTIONS 12 – ECOLOGICAL INFORMATION

ECOTOXICITY	No Data Available
PERSISTENCE AND DEGRADABILITY:	No Data Available
BIOACCUMULATIVE POTENTIAL:	No Data Available
MOBILITY IN SOIL:	No Data Available
OTHER ADVERSE EFFECTS:	No Data Available
ECOTOXICITY TEST RESULTS: No Data is Available	

SECTION 13 – DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL:	Under RCRA 40 CFR 261 this material is not a hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.
CONTAINER DISPOSAL:	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

Land transport, U.S. DOT:	Not Regulated	IMO	Not Regulated
Sea transport, IMDG	Not Regulated	Canada (TDG)	Not Regulated
Air transport, IATA/ICAO:	Not 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	All Chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory
DSL/NDSL	Canadian Domestic Substances List/Non-Domestic Substances List	Unknown if complies
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances	Unknown if complies
ENCS	Japan Existing and New Chemical Substances	Unknown if complies
IECSC	China Inventory of Existing Chemical Substances	Unknown if complies
KECL	Korean Existing and Evaluated Chemical Substances	Unknown if complies
PICCS	Philippines Inventory of Chemicals and Chemical Substances	Unknown if complies
AICS	Australian Inventory of Chemical Substances	Unknown if complies

SARA 313	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372			
	SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION CHEMICAL/COMPOUND	CAS No. 107-21-1	CHEMICAL/COMPOUND Ethylene Glycol	% by WT .74%
SARA 311/312 Hazard Categories	Acute health hazard	Yes		
	Chronic Health Hazard	Yes		
	Fire hazard	No		
	Sudden release of pressure hazard	No		
	Reactive Hazard	No		

US STATE REGULATIONS (If Known)

STATE	INFORMATION
CA Proposition 65	This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm
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

B-Protective Equipment: Safety glasses, gloves

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

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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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