

Acid Stain


SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Stone Edge Surfaces Acid Stain	MANUFACTURER: Turley International Resources, LLC.
PRODUCT USE: Concrete Staining	4322 South 80 th Street
SUPPLIER: N/A	Mesa, AZ 85212 - USA
	TEL: 844-786-6333 E: info@stoneedgesurfaces.com
EMERGENCY: CHEMTREC P: 703-527-3887 F:703-527-3887 (International)	MEDICAL: 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	5	Harmful or Fatal if swallowed
Acute Toxicity, Inhalation (Vapors)	4	Harmful or Fatal if Inhaled
Acute Toxicity, Dermal	2	May be harmful in contact with skin.
Skin corrosion / irritation	2	Causes Severe Skin burns, skin irritation
Serious eye damage / Eye irritation	2A	Causes Severe Eye Burns, May causes permanent eye damage, irritation and blindness
Carcinogenicity	2	May cause Cancer
Specific target organ toxicity, single exposure	3	May cause severe respiratory, eye and skin irritation
Specific target organ toxicity, repeated exposure	2	Not Known
Aspiration Toxicity	2	Not Known
Flammable Liquid	3	Highly Flammable
Hazardous to Aquatic Life	2	Hazardous to Aquatic Environment-Long Term (Chronic)

OSHA HAZARD COMMUNICATION STANDARD:	This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
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GHS LABEL ELEMENTS:	SIGNAL WORD: Danger!	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.
	P264	Wash exposed area with plenty of water and soap thoroughly after handling.
P284	In case of inadequate ventilation wear respiratory protection	
RESPONSE:	P301 + P330 + P312 + P331	IF SWALLOWED: Rinse mouth. Call a POISON CENTER or physician if you feel unwell. 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
P308 + P310 + P313	IF exposed or concerned: Get medical advice/attention. Immediately call a POISON CENTER or doctor/ physician.	
STORAGE:	P403 + P404 + P235 + P405 + P233	Store in well Ventilated Place. Store in a Closed Container. Keep cool. Store Locked Up. Keep from Freezing
DISPOSAL:	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
Non-Hazardous Ingredient(s)	-	-	60 - 100	*
Hydrochloric Acid	7647-01-028262-63-7	-	10 - 30	*
*The exact percentage (concentration) of composition has been withheld as a trade secret				

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SECTION 4 – FIRST AID MEASURES

EMERGENCY INFORMATION:

Stone Edge Surfaces Acid Stain is colored liquid. Move person out of the dangerous area. Get medical attention immediately. Remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment
Symptoms: Eye, Skin and respiratory Irritation.
Note to Physician: Treat symptomatically. For additional information, see Safety Data Sheet

EYES: Immediately hold eyelids apart and flush eye thoroughly with water. Remove contacts if easy to do. Continue flushing eye for at least 15 minutes, including under lids. 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.

INHALATION: Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek immediate medical attention/advice.

INGESTION: Do not induce vomiting. If conscious, give victim several glasses of water. If vomiting does occur, give additional fluids. Call a physician immediately. Never give anything by mouth to an unconscious person

SECTION 5 – FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	This material does not present any unusual fire or explosion hazards. Material does not burn. Use extinguishing measures appropriate to the source of fire.
UNSUITABLE EXTINGUISHING MEDIA:	Not Applicable
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	In a fire or if heated a pressure increase may occur and the container may burst. May be ignited by friction, heat, sparks or flames
HAZARDUS COMBUSTION PRODUCTS:	Not Applicable
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:	Wear self-contained breathing apparatus and protective suit.

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:	Use personal protective equipment as required. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas. Keep unprotected persons away.
PROPER METHODS OF CONTAINMENT:	Prevent further leakage or spillage if safe to do so. Dike, contain and absorb with liquid-binding material (sand, diatomite, acid binders, and universal binders.) Use neutralizing agent. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation. Dispose according to local regulations
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. Ensure good ventilation/exhaustion at the workplace. Avoid contact with aluminum and other metals. Reactions with aluminum, particularly foil, may generate flammable hydrogen gas. Use, store and transfer only with acid resistant plastic containers, DO NOT USE aluminum or any other metal container. No smoking. 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 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:	Keep away from Bases, amines, alkali metals, metals - especially aluminum, permanganates, Fluorine, metal acetylides, hexalithium disilicide, and bleach.

SECTION 8 – PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

OSHA's PERMISSIBLE EXPOSURE LIMITS (PEL)

COMPONENTS	CAS #	OSHA PEL ppm	OSHA PEL mg/m ³ (e)	NIOSH IDLH Up to 10-hour TWA, ppm	NIOSH IDLH TWA, mg/m ³
Hydrochloric acid	7647-01-0	(vacated) Ceiling: 5 Ceiling: 5	Vacated Ceiling: 7 Ceiling: 7	IDLH: 50 Ceiling: 5	Ceiling: 7

ENGINEERING CONTROLS: General/Local ventilation recommended

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

VISCOSITY	Unknown	APPEARANCE:	Colored Liquid
ODOR & ODOR THRESHOLD:	Pungent & Acidic	FLASH POINT:	42 Deg. C (108 Deg. F)
BOILING POINT:	100 Deg. C	MELTING POINT/Freezing Point:	Not Available / 32 Deg F
EVAPORATION RATE:	Not Available	FLAMMABILITY (SOLID/GAS)	Not Relevant
VAPOR PRESSURE:	Not Available	pH (IN WATER): (ASTM D 1293-95)	1-2
VAPOR DENSITY:	Not Available	SOLUBILITY IN WATER:	Soluble in Water
RELATIVE DENSITY	Not Available	UPPER/LOWER FLAMMABILITY	Not Flammable
PARTITION COEFFICIENT: n-octano/wtr.	Not Available	AUTO IGNITION TEMPERATURE	Not Available

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable		
CHEMICAL REACTIVITY:	Hazardous Polymerization:	No Data Available	
	Corrosion to Metals:	No Data Available	
	Oxidizing Properties:	No Data Available	
CONDITIONS TO AVOID:	None Known		
INCOMPATIBILITY:	Keep away from Bases, amines, alkali metals, metals - especially aluminum, permanganates, Fluorine, metal acetylides, hexalithium disilicide, and bleach		
HAZARDOUS DECOMPOSITION:	None Known		

SECTION 11 – TOXICOLOGY INFORMATION

LIKELY ROUTES OF EXPOSURE:	Skin, Eye and Ingestion Direct Contact, and Ingestion, and Inhalation of vapors.
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Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrochloric acid 7647-01-0	= 700 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	= 3124 ppm (Rat) 1 h

SYMPTOMS OF EXPOSURE:

May cause drowsiness or dizziness if inhaled. May cause respiratory irritation. Causes serious eye irritation. Causes skin irritation

ACUTE TOXICITY	INGESTION:	Harmful or fatal if swallowed.
	INHALATION:	May cause respiratory tract irritation
	SKIN CORROSION SKIN IRRITATION	Causes severe burns. Irritating to skin
	IRRITATION	Irritating to eyes, respiratory system and skin
	EYE DAMAGE & IRRITATION	Irritating to eyes. Risk of serious damage 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: (Group 2B)	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive Toxicity:	No Data Available
General Product Warning:	May be harmful or fatal if swallowed, may cause sever eye and skin irritation or damage.

SECTIONS 12 – ECOLOGICAL INFORMATION

ECOTOXICITY	Material is expected to be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.			
	Chemical Name	Algae/aquatic plants	Fish	Crustacea
	Hydrochloric acid 7647-01-0	-	282: 96 h Gambusia affinis mg/L LC50 static	-

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

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SECTION 13 – DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL:	Under RCRA 40 CFR 261 this material is 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. Must not be disposed of together with household garbage. Do not allow product to reach waterways or storm sewers.
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:	UN1760, Hydrochloric Acid, N.O.S., 8, I. Ground Transportation Only: ORM-D in containers of less than 4 liters
Sea transport, IMDG	UN1760, Hydrochloric Acid, N.O.S., 8, III
Air transport, IATA/ICAO:	UN1760, Hydrochloric Acid, N.O.S., 8, III

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 a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29CFR 1910.1200.

SARA 313	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		
SARA 311/312 Hazard Categories	Acute health hazard	Yes	
	Chronic Health Hazard	No	
	Fire hazard	No	
	Sudden release of pressure hazard	No	
	Reactive Hazard	No	
Clean Water Act	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)		
Clean Air Act	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:		
CERCLA	This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)		
	Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ
	Hydrochloric acid 7647-01-0	5000 lb	5000 lb RQ 5000 lb final RQ RQ 2270 kg final RQ

US STATE REGULATIONS (If Known)

STATE	INFORMATION
CA Proposition 65	This product contains chemicals known to the state of California to cause 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
I-Protective Equipment: Safety glasses, gloves, dust & vapor respirator

Health	3
Flammability	1
Reactivity	3
Personal Protection	I

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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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