Safety Data Sheet

Issue Date: 2-13-2019 **Revision Date: 2-14-2019** **Version 2**

1. IDENTIFICATION

Product Identifier

Product Name DRYLOK® Liquid Cleaner / Etch

Other means of identification

SDS # CCC-040

Recommended use of the chemical and restrictions on use

Recommended Use Masonry Preparation.

Manufactured for

United Gilsonite Laboratories
P.O. Box 70
Scranton, PA 18501-0070

Emergency Telephone Number

Company Phone Number 1-800-UGL-LABS (845-5227)
Company Fax Number 570-969-7634
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear liquid **Physical State** Liquid **Odor** Slightly acrid

Classification

Acute toxicity – Inhalation (Dusts/Mists)	Category 4
Serious eye damage/eye irritation	Category 1
Corrosive to metals	Category 1

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed

Signal Word

Danger

Hazard Statements

Harmful if Inhaled
Causes serious eye damage
May be corrosive to metals

Precautionary Statements – Prevention
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection
Keep only in original container

Precautionary Statements – Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing Immediately call a POISON CENTER or doctor/physician
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a poison center or doctor/physician if you feel unwell
IN CASE OF SPILL: Absorb spillage to prevent material damage

Precautionary Statements – Storage
Store in a well-ventilated place
Store in corrosive resistant container with a resistant inner liner

Precautionary Statements – Disposal
Dispose of contents/container to an approved waste disposal plant

Other Hazards
Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Inhibited Hydrochloric Acid Solution	Proprietary	Proprietary

This specific chemical identity of this composition is being withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice Provide this SDS to medical personnel for treatment.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not apply any medicated agents except on the advice from a physician. Seek immediate medical attention/advice.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. Wash with soap and water. Do not apply any medicated agents except on the advice from a physician. Get medical attention if necessary.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. Do NOT use mouth-to-mouth resuscitation. Call a physician if you feel unwell

Ingestion Rinse mouth. Do not induce vomiting without medical advice. Drink 2-3 large glasses of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. To ensure airway is open, position with head lower than body and transport immediately to a medical facility

Most important symptoms and effects

Symptoms May cause eye burns and permanent eye damage. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system. Irritation and corrosive burns to mouth, throat, and stomach

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
Contact with non-ferrous metals may release flammable hydrogen. Heating may release corrosive hydrochloric acid vapors

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent} and full protective gear. Prevent human exposure to fire, fumes, smoke and products of combustion. Evacuate non-essential personnel.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental Precautions Try to prevent the material from entering drains or water courses. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Avoid breathing vapors or mists. Use only in well-ventilated areas. Use personal protection recommended in Section 8. Do NOT take internally. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from excessive heat. Keep from freezing. Store only in approved containers.

Incompatible Materials Contact with non-ferrous metals may release flammable hydrogen. Strong oxidizing agents. Strong alkalis. Aluminum.

8 Exposure Controls/Personal Protection

Exposure Guidelines

Chemical Name	ACGIHTLV	OSHA PEL	NIOSH IDLH
Acid solution	STEL: 3 mg/m³ TWA: 1 mg/m³	TWA: 1 mg/m³ (vacated) TWA: 1 mg/m³ (vacated) STEL: 3 mg/m³	IDLH: 1000 mg/m³ TWA: 1 mg/m³ STEL: 3 mg/m³
Inhibited hydrochloric acid solution	Ceiling: 2 ppm	(vacated) Ceiling: 5 ppm (vacated) Ceiling: 7 mg/m³ Ceiling: 5 ppm Ceilina: 7 mg/m³	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m³
Acid solution	-	15 mg/ m3 (Total)	-
Acid solution	STEL: 2 mg/m³ TWA: 1 mg/m³	TWA: 1 mg/m³ (vacated) TWA: 1 mg/m³ (vacated) STEL: 2 mg/m³	IDLH: 500 mg/m³ TWA: 1 mg/m³ STEL: 2 mg/m³

Appropriate engineering controls

Engineering Controls Ventilation systems. Use mechanical system if in closed storage area. Eyewash stations.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Use approved eye protection to avoid eye contact
Skin and Body Protection	Chemical resistant protection
Respiratory Protection	Where there is a potential for exposures, wear NIOSH approved respiratory protection.
General Hygiene Consideration	Avoid contact with eye, skin and clothing. Avoid inhalation of contaminant. Wash thoroughly After handling. Do not eat or drink where there is potential for exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Clear liquid	**Odor**	None
Color	Clear	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	1-2	@ 72° F
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	Not determined	
Evaporation Rate	Compare to water	
Flammability (Solid, Gas)	Not determined	

Upper Flammability Limits	Not determined
Lower Flammability Limit	Not determined
Vapor Pressure	Compare to water
Vapor Density	Compare to water
Specific Gravity	1.005 – 1.010 @ 72° F
Water Solubility	Completely soluble
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to Avoid
Excessive Heat

Incompatible Materials
Contact with non-ferrous metals may release flammable hydrogen. Strong oxidizing agents. Strong alkalis. Aluminum.

Hazardous Decomposition Products
Hydrogen

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Causes serious eye damage.
Skin Contact	This product has been tested and is NOT corrosive or irritating to the skin.
Inhalation	Harmful if inhaled.
Ingestion	May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acid solution	= 1530 mg/kg (Rat)	=2730 mg/kg (Rabbit)	> 850 mg/m³ (Rat)1h
Inhibited hydrochloric acid solution	= 700 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	= 3124 ppm (Rat) 1h
Acid solution	= 3000 mg/kg (Rat)	-	.
Acid solution	= 7500 mg/kg (Rat)	=20000 mg/kg (Rat)	.

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Inhibited hydrochloric acid solution		Group 3		

Legend

IARC (International Agency for Research** on **Cancer)

Group 3 /ARC components are •not classifiable as human carcinogens•

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity
Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Acid solution		3 - 3.5: 96 h Gambusia affinis mg/L LC50		4.6: 12 h Daphnia magna Mg/L EC50
Inhibited hydrochloric acid solution		282: 96 h Gambusia affinis mg/L LC50 static		
Acid solution		1516: 96 h Lepomis macrochirus mg/L LC50 static		120: 72 h Daphnia magna mg/L EC50
Acid solution		4000: 24 h Lepomis macrochirus mg/L LC50 static		125 - 150: 48 h Daphnia magna mg/L EC50 Static

Persistence/Degradability
Not determined

Bioaccumulation
Not determined

Mobility
Not determined

Other Adverse Effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances**. Not regulated if shipped in non-aluminum containers (49 CFR 173.154 (d)).**
Marine Pollutant-This material may meet the definition of a marine pollutant.

15. REGULATORY INFORMATION

TSCA All ingredients are listed or exempt from listing on Chemical Substance inventory.
DSL Listed

US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity RQ
Inhibited hydrochloric acid solution	5000lb	5000lb	RQ 5000 lb final RQ RQ 2270 kg final RQ

SARA 313

Chemical Name	CASNo	Weight-%	SARA 313 - Threshold Values%
Inhibited hydrochloric acid solution -		Proprietary	1.0

CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Inhibited hydrochloric acid solution / Proprietary)	5000lb			X

US State Regulations

California Proposition 65
This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	2	1	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	2	1	0	C

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Revision Note: 2

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet