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

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Description</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity – Inhalation (Dusts/Mists)</td>
<td>Category 4</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 1</td>
<td></td>
</tr>
<tr>
<td>Corrosive to metals</td>
<td>Category 1</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhibited Hydrochloric Acid Solution</td>
<td>Proprietary</td>
<td>Proprietary</td>
</tr>
</tbody>
</table>

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
8 Exposure Controls/Personal Protection

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIHTLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
</table>
| Acid solution               | STEL: 3 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  
Ceiling: 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  | (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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>1-2</td>
<td>@ 72° F</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Compare to water</td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>
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

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acid solution</td>
<td>1530 mg/kg (Rat)</td>
<td>2730 mg/kg (Rabbit)</td>
<td>&gt; 850 mg/m³ (Rat) 1h</td>
</tr>
<tr>
<td>Inhibited hydrochloric acid solution</td>
<td>700 mg/kg (Rat)</td>
<td>&gt; 5010 mg/kg (Rabbit)</td>
<td>= 3124 ppm (Rat) 1h</td>
</tr>
<tr>
<td>Acid solution</td>
<td>3000 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Acid solution</td>
<td>7500 mg/kg (Rat)</td>
<td>=20000 mg/kg (Rat)</td>
<td>-</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhibited hydrochloric acid solution</td>
<td></td>
<td>Group 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

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

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**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhibited hydrochloric acid solution</td>
<td>5000lb</td>
<td>5000lb</td>
<td>RQ 5000 lb final RQ</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>RQ 2270 kg final RQ</td>
</tr>
</tbody>
</table>

**SARA 313**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CASNo</th>
<th>Weight-%</th>
<th>SARA 313 - Threshold Values%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhibited hydrochloric acid solution</td>
<td>Proprietary</td>
<td>1.0</td>
<td></td>
</tr>
</tbody>
</table>

**CWA (Clean Water Act)**

<table>
<thead>
<tr>
<th>Component</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhibited hydrochloric acid solution / Proprietary</td>
<td>5000lb</td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td>1</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td>1</td>
<td>0</td>
<td>C</td>
</tr>
</tbody>
</table>

Revision Date: 2-14-19
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