SECTION I - IDENTIFICATION

PRODUCT NAME: Lime Solv
PRODUCT CODE: 2200
PRODUCT USE: Lime and Scale Remover
COMPANY NAME: Beta Technology, Inc.
COMPANY ADDRESS: P.O Box 218686, Houston, TX 77218
COMPANY PHONE: 281-647-9700
EMERGENCY PHONE: 800-535-5053

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Skin Corrosive: Category 1B
Eye Damage: Category 1
Specific Target Organ Toxicity (Single Exposure): Category 3
Corrosive to Metals

HAZARD STATEMENT(S): DANGER: Causes severe skin burns and eye damage. May cause respiratory irritation. May be corrosive to metals.

This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS: Avoid breathing fumes, mist, or vapors. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, face shield, and eye protection. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if you feel unwell. Store locked up. Dispose of contents and container in accordance with local, state, and national regulations. Keep only in original container. Absorb spillage to prevent material damage. Store in a corrosive resistant container with a resistant inner liner. Use only outdoors or in a well-ventilated area. Store in a well-ventilated place. Keep container tightly closed.

SYMBOL:

HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENT</th>
<th>CAS NUMBER</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Chloride</td>
<td>7647-01-0</td>
<td>20-40%</td>
</tr>
</tbody>
</table>

SECTION IV - FIRST AID MEASURES

EYES: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

INGESTION: If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting.

INHALATION: If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

SKIN: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

ACUTE HEALTH HAZARDS: Causes severe burns.

CHRONIC HEALTH HAZARDS: Dermatitis may occur due to long-term irritation. May cause respiratory irritation.

NOTE TO PHYSICIAN: There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.
SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Use appropriate media for surrounding fire.
UNSUITABLE EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic fumes may be generated during a fire.
HAZARDOUS COMBUSTION PRODUCTS: May react with some metals to generate hydrogen gas which can be explosive in air.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.
SPILL: Clean up using cloth or absorbent material. Dispose of product-containing wiping cloth or absorbent paper in suitable manner. Place waste in proper containers for waste disposal.
WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse container and recycle or place in trash collection. Drums and pails should be offered for recycling.
RCRA STATUS: Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a cool, dry area, keep containers tightly closed and dry. Keep out of reach of children and do not store near food, drink, or animal food. Store locked up.
OTHER PRECAUTIONS:
INCOMPATIBILITY: Alkaline Materials.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENT</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Chloride</td>
<td>5 ppm</td>
<td>2 ppm</td>
</tr>
</tbody>
</table>

ENGINEERING CONTROLS / VENTILATION: General ventilation recommended.
RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas.
PERSONAL PROTECTIVE EQUIPMENT: Safety glasses, Face Shield, Gloves, and Synthetic apron.
ADDITIONAL MEASURES: Wash hands and any contaminated clothing immediately after handling. Do not get on clothes or skin.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Light amber liquid
ODOR: Acid odor
ODOR THRESHOLD: N/D
BOILING POINT: N/D
FREEZING POINT: < 32°F (0°C)
FLAMMABILITY: Not considered a flammable liquid by OSHA (29CFR 1910.1200)
FLASH POINT: N/D
AUTOIGNITION TEMPERATURE: N/D
LOWER FLAMMABILITY LIMIT: N/D
UPPER FLAMMABILITY LIMIT: N/D
VAPOR PRESSURE (mm Hg): >18
VAPOR DENSITY (AIR=1): 1
EVAPORATION RATE: < 0.8 (Slow)
SPECIFIC GRAVITY (H2O=1): 1.1 @ 77° F (25° C)
pH: <1
SOLUBILITY IN WATER: 100%
PARTITION COEFFICIENT: n-OCTANOL/WATER (Kow): N/D
VOLATILE ORGANIC COMPOUNDS (VOC): 0%
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY DATA

REACTIVITY: Chemically active metals and bases.
CHEMICAL STABILITY: Stable
CONDITIONS TO AVOID: Chlorine liberating material. Do not mix with bases, ammonia or other cleaning compounds.
INCOMPATIBILITY: Alkaline Materials.
HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Hydrogen Chloride gas, and Phosgene.
POSSIBLE HAZARDOUS REACTIONS: None Known

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Hydrogen Chloride (7647-01-0) LC₅₀ (Inhalation, Rat, 1hr) 2810 ppm.
ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin
EYES: Causes burns.
INGESTION: Causes chemical burns, damage to mouth and esophagus with gastrointestinal irritation, nausea, vomiting.
INHALATION: Hydrochloric acid is extremely corrosive and irritating to the respiratory tract
SKIN: Cause redness, pain, and severe burns to skin. Concentrated solutions cause deep ulcers and discolor skin. Exposure to liquid, vapor, or mist causes severe skin irritation.
MEDICAL CONDITION AGGRAVATED: Pre-existing disorders of skin and lungs.
ACUTE HEALTH HAZARDS: Causes severe burns.
CHRONIC HEALTH HAZARDS: Dermatitis may occur due to long-term irritation. May cause respiratory irritation.
CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Hydrogen Chloride (7647-01-0): Fish: Mosquitofish: 282 mg/l 96hr
BIODEGRADABILITY: This product is biodegradable.
BIOACCUMULATION: This product is not expected to bioaccumulate.
SOIL MOBILITY: This product is mobile in soil.
OTHER ECOLOGICAL HAZARDS: None Known

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse container and recycle or place in trash collection. Drums and pails should be offered for recycling.
RCRA STATUS: Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Corrosive Liquid, Acidic, Inorganic, N.O.S., (Containing Hydrochloric Acid)
HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: UN 3264
PACKAGING GROUP: III

AIR SHIPMENT
PROPER SHIPPING NAME: Corrosive Liquid, Acidic, Inorganic, N.O.S., (Containing Hydrochloric Acid)
HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: UN 3264
PACKAGING GROUP: III

SHIPPING BY WATER:
VESSEL (IMO/IMDG)
PROPER SHIPPING NAME: Corrosive Liquid, Acidic, Inorganic, N.O.S., (Containing Hydrochloric Acid)
HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: UN 3264
PACKAGING GROUP: III
ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Hydrogen Chloride (7647-01-0)
   Reportable Quantity = 5,000 lbs
SARA 311/312 HAZARD CATEGORIES: Acute Health
SARA 313 REPORTABLE INGREDIENTS: Hydrogen Chloride (7647-01-0)
STATE REGULATIONS: California Proposition 65: None
INTERNATIONAL REGULATIONS: All components are listed or exempted.

| NFPA HEALTH: | 3 |
| NFPA FLAMMABILITY: | 0 |
| NFPA REACTIVITY: | 1 |
| NFPA OTHER: | None |
| HMIS HEALTH: | 3 |
| HMIS FLAMMABILITY: | 0 |
| HMIS REACTIVITY: | 1 |
| HMIS PROTECTION: | D |

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Chioma Agbai
DATE PREPARED: 12/02/2013
REVISION DATE: 06/16/2017

N/A = Not Applicable; N/D = Not Determined

DISCLAIMER: To the best of our knowledge, information contained herein is accurate. However there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.