1. Product and Company Identification

Product Code: 25010, 25000
Product Name: 23% HCL Bowl Cleaner Emulsion
Company Name: CleanSource
Address: 650 Brennan St.
San Jose, CA 95131
Phone Number: (408)954-1234
Emergency Contact: ChemTrec (800)424-9300

Recommended Use: Toilet Bowl Cleaner
Intended Use: For sale to, use and storage by service persons only.

2. Hazards Identification

Skin Corrosion/Irritation, Category 1B
Target Organ Systemic Toxicity (single exposure), Category 3

GHS Signal Word: Danger
GHS Hazard Phrases: Causes severe skin burns and eye damage. May cause respiratory irritation.
GHS Precaution Phrases: Do not breathe dust, fumes, mist, vapors, spray. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye protection, face protection. Use only outdoors or in a well-ventilated area. Avoid breathing fumes and spray mist.
GHS Response Phrases: IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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 exposed or you feel unwell.

GHS Storage and Disposal Phrases: Dispose of contents and container according to the local, city, state and federal regulations. Store in cool dry place at room temperature away from direct sunlight.

Potential Health Effects (Acute and Chronic):
Inhalation: Causes respiratory tract irritation. May be harmful if inhaled. Avoid breathing vapors or mists.
Skin Contact: Corrosive, causes permanent skin damage (scarring). Avoid any skin contact.
Eye Contact: Corrosive to the eyes and may cause severe damage including blindness. Avoid any eye contact.
Ingestion: Corrosive and may cause severe and permanent damage to mouth, throat, and stomach. Poison - may be fatal if swallowed.
3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>7647-01-0</td>
<td>Hydrochloric acid</td>
<td>Proprietary</td>
</tr>
</tbody>
</table>

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

In Case of Skin Contact: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water.

Note to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt: NA
Explosive Limits: LEL: N.E. UEL: N.E.
Autoignition Pt: NA

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Flammable Properties and Hazards: No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

7. Handling and Storage

Precautions To Be Taken in Handling:

Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse.

Precautions To Be Taken in Storing:

Store in a cool, dry, well-ventilated area away from incompatible substances.

8. Exposure Controls/Personal Protection
9. Physical and Chemical Properties

Physical States: [ ] Gas [X] Liquid [ ] Solid
Appearance and Odor: Opaque white liquid with acrid fragrance.
Melting Point: No data.
Boiling Point: > 212.00 F
Autoignition Pt: NA
Flash Pt: NA
Explosive Limits: LEL: N.E. UEL: N.E.
Specific Gravity (Water = 1): 1.125
Density: 9.38 lbs/gal
Vapor Pressure (vs. Air or mm Hg): NE
Vapor Density (vs. Air = 1): NE
Evaporation Rate: NE
Solubility in Water: 100%
Saturated Vapor Concentration: NE
Viscosity: NP
pH: 0.5 - 2.0
Percent Volatile: No data.
VOC / Volume: 0.0000 GL

10. Stability and Reactivity

Stability: Unstable [ ] Stable [X]
Conditions To Avoid - Instability: None.
Incompatibility - Materials To Avoid: Strong oxidizers, ammonia, chlorine, strong alkali materials, aluminum.
Avoid: CO, CO2.
Byproducts: Will occur [ ] Will not occur [X]
Possibility of Hazardous Reactions: None.
11. Toxicological Information

Toxicological Information: No data available.
Carcinogenicity/Other Information:
Carcinogenicity: NTP? No  IARC Monographs? No  OSHA Regulated? No

12. Ecological Information

No data available.

Results of PBT and vPvB assessment:
CAS# 7647-01-0: Effective concentration to 0% of test organisms, Brook Trout (Salvelinus fontinalis), 10000 UG/L, Mortality, Water temperature: 11.70 C - 15.60 C C.
Results:
No observed effect.
- Toxicity Experiments with Fish in Reference to Trade Waste Pollution. I. The Problem of Water Pollution, Belding, D.L., 1927

LC50, Western Mosquitofish (Gambusia affinis), adult(s), 282000 UG/L, 96 H, Mortality, Water temperature: 21.00 C - 23.00 C C, pH: 8.20.
Results:
Morphological changes.
- Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters, Wallen, I.E., W.C. Greer, and R. Lasater, 1957

LC50, Western Mosquitofish (Gambusia affinis), adult(s), 282000 UG/L, 24 H, Mortality, Water temperature: 21.00 C - 23.00 C C, pH: 8.20.
Results:
No observed effect.
- Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters, Wallen, I.E., W.C. Greer, and R. Lasater, 1957

13. Disposal Considerations

Waste Disposal Method: Dispose of contents and container according to the local, city, state and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquids, n.o.s. Quart: Limited quantity.
Gallon or higher: NA1760, Compounds, Cleaning Liquid, (Contains Hydrochloric Acid), 8, II. (Hydrochloric acid)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN1760
Packing Group: I
15. Regulatory Information

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>Other US EPA or State Lists</th>
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</thead>
<tbody>
<tr>
<td>7647-01-0</td>
<td>Hydrochloric acid</td>
<td>CA PROP.65: No</td>
</tr>
</tbody>
</table>

16. Other Information

Hazard Rating System:

- HEALTH: 3
- FLAMMABILITY: 0
- PHYSICAL: 0
- PPE: D

Flammability: 0
Instability: 0
Health: 3
Special Hazard: 0

Revision Date: 02/25/2015

Additional Information About This Product: No data available.

Company Policy or Disclaimer: The manufacturer believes the data set forth are accurate and makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.