MATERIAL SAFETY DATA SHEET
(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION
Identity (As Used on Label and List): Concrete Cleaner and Etcher Concentrate
Product Class: Water-based acid etcher
Emergency Telephone Number: 800-255-3924
Telephone Number for Information: 651-481-1900
Manufacturer's Name and Address:
Multi-Clean®
600 Cardigan Road
Shoreview, MN 55126

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS
Hazardous Components (Specific Chemical Identity):

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Common Name(s)</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Hydrogen Chloride</td>
<td>15%</td>
</tr>
<tr>
<td>B</td>
<td>Dipropylene Glycol Methyl Ether</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>C</td>
<td>Alcohol Ethoxylates</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>D</td>
<td>Water</td>
<td>60 - 100%</td>
</tr>
</tbody>
</table>

SECTION III - HAZARDS IDENTIFICATION
Appearance and Odor: Clear liquid, Wintergreen Scent
Primary Hazards: Corrosive
Potential Health Hazards:

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Skin Absorption</th>
<th>Ingestion</th>
<th>Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Eye: May cause severe burns.
Skin: May cause severe burns.
Ingestion: May be harmful or fatal if swallowed.
Inhalation: Vapors may be harmful.

SIGNS AND SYMPTOMS OF EXPOSURE: Severe irritation on direct contact.

SECTION IV - FIRST AID MEASURES
Emergency and First Aid Procedures:
If Swallowed: Do not induce vomiting. Drink water in large amounts, follow with milk of magnesia, beaten eggs or vegetable oil. Call a physician immediately. Never give anything by mouth to an unconscious person.
Eye Contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical assistance.
Skin Contact: Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.
Corrosive: May cause stricture. If lavage is performed, suggest endotracheal and/or orotracheal intubation.

SECTION V - FIRE FIGHTING MEASURES
Flammability: Non-flammable
Flash Point (method used): None
LEL UEL
Extinguishing Media: None

Water? Yes
Foam? Yes
Water Fog?
Alcohol Foam? Yes
CO2? No
Dry Chemical?
Vaporizing Liquid? No
Other?

Special Fire Fighting Procedures:

Unusual Fire and Explosion Hazards: Hydrogen chloride is non-flammable, however flammable hydrogen gas can be generated when it is in contact with metals.

TDG Flammability Classification: Non-flammable
Sensitivity to Mechanical Impact: None
Sensitivity to Static Discharge: None

SECTION VI - ACCIDENTAL RELEASE MEASURES
Steps to be Taken in Case Material is Released or Spilled:
Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

SECTION VII - HANDLING AND STORAGE
Precautions to be Taken in Handling and Storing:
Normal care in handling and storage.
Other Precautions: Keep out of reach of children. Keep from freezing.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION
Respiratory Protection (Specify Types): Not required where ventilation is sufficient to maintain hydrogen chloride vapor level below listed TLV (Section XI). Use NIOSH/MSHS approved acid vapor respirator in areas where vapor level exceeds TLV.
Ventilation: Local Exhaust: Not required
Mechanical (General): As required to keep vapor levels below listed TLV (Section XI).

SECTION IX - PHYSICAL/ CHEMICAL CHARACTERISTICS
Boiling Point: Approximately 212°F (100°C)
Specific Gravity (H2O = 1): 1.038
% Volatile: > 90
Vapor Density (Air = 1): > 1
Odor Threshold: N. Av.
Evaporation Rate (Butyl Acetate = 1): N. Av.
Oil/Water Distribution

SECTION X - STABILITY AND REACTIVITY
Stability: Unstable Stable: X
Conditions to Avoid: Avoid contact with metals.
Incompatibility (materials to avoid): Chlorine bleach, oxidizing agents.

SECTION XI - TOXICOLOGICAL INFORMATION
Chemical OSHA PEL ACGIH TLV Recom. LD50 LC50
A C5 ppm C5 ppm N. Av. N. Av.
B 100 ppm 100 ppm N. Av. 5.6 gm/kg >33,000 ppm (skin) (skin)
C None None N. Av. 2,100 mg/kg > 200 mg/L (rat, oral) (rat)
D None None N. Av. N. Av. N. Av. (rat, oral)

Toxically Synergistic Products:

SECTION XII - ECOLOGICAL INFORMATION
Ecotoxicological Information:

Chemical Fate Information:
N. Av.

SECTION XIII - DISPOSAL CONSIDERATIONS
Waste Disposal:
Neutralize and dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be severed, depending on the materials and/or contaminates being cleaned as well as state, federal and local sewer commission regulations.
RCRA Hazard Class: D002, characteristic corrosive

SECTION XIV - TRANSPORT INFORMATION
Shipping Classification: Corrosive Liquid, Acidic Inorganic, N.O.S.
(Containing Hydrochloric Acid), Class 8
UN Number: 3264
Packaging Group: II

SECTION XV - PREPARATION DATA
Prepared By: Ron Camp
Telephone Number: 651-481-1900
Date: 4-12

SECTION XVI - REGULATORY INFORMATION
US Federal Regulations
TSCA Status: All ingredients listed.
CERCLA Reportable Quantity: > 5,000 lbs.
SARA Title III
Section 302 Extremely Hazardous Chemicals: None
Section 311/312 Hazard Category: Immediate health, chronic health
Section 313 Toxic Chemicals: Hydrochloric acid
State Regulations
International Regulations
WHMIS Controlled Product Hazard Class: D1A, E

SECTION XVII - OTHER INFORMATION
None

NFPA SYSTEM
1 A. Health Hazard
0 A. Fire Hazard
0 A. Reactivity Hazard

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