SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: Spectrum™
Product Number: BPR302032-A
Brand: Brighton Professional™
Recommended use: Disinfecting toilet bowl cleaner
Uses advised against: Uses other than those identified on the product label are not recommended.

Supplier Name: Staples Contract & Commercial, Inc.
Supplier Address: 500 Staples Drive
Framingham MA 01702 USA
Supplier Phone Number: 1-888-322-0912
SDS Internet Address: http://sds.staples.com
Emergency telephone number: 1-888-322-0912

2. HAZARDS IDENTIFICATION

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification for the Undiluted Product

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>1</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>1B</td>
</tr>
<tr>
<td>Corrosive to metals</td>
<td>1</td>
</tr>
</tbody>
</table>

GHS Label elements, including precautionary statements

Emergency Overview:

Signal word: Danger
Hazard Statements: Causes severe skin burns and serious eye damage. May be corrosive to metals.
Precautionary Statements: Do not breathe mist/vapors/spray. Wash hands, face and any skin contact thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Keep only in original container. Absorb spillage to prevent material damage.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a poison center/doctor if you feel unwell.

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 ON SKIN(or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash
contaminated clothing before reuse.

**IF INHALED:**
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician

**Hazards not otherwise classified (HNOC):** None known

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloric Acide (Muriatic acid)</td>
<td>7647-01-0</td>
<td>5 – 10</td>
</tr>
<tr>
<td>Ethanol, 2,2/-iminobis-,n-soya alkyl derivs.</td>
<td>73246-96-5</td>
<td>0.1 - 4</td>
</tr>
</tbody>
</table>

Balance is water and similar non-hazardous ingredients. Contains fragrance.

### 4. FIRST AID MEASURES

**General Advice:**
Call 911 or emergency medical service. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**Eye Contact:**
Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin Contact:**
Remove contaminated clothing and wash before reuse. Wash contaminated area with soap and water for 15-20 minutes. If skin irritation occurs, get medical advice/attention.

**Inhalation:**
Move person to fresh air. If respiratory irritation or dizziness occurs, seek immediate medical assistance.

**Ingestion:**
Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to a person who is unconscious or convulsing. If vomiting occurs, keep head below hips to reduce risk of aspiration. Probably mucosal damage may contraindicate the use of gastric lavage.

**Most Important Symptoms and Effects:**
No information available

**Notes to Physician:**
Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:**
Not applicable. Product is not a fire hazard.

**Unsuitable extinguishing media:**
High pressure water jet.

**Specific Hazards Arising from the Chemical:**
Hydrogen chloride gas may be generated at high temperatures.

**Special Fire Fighting Precautions:**
Prevent human exposure to fire, smoke, fumes or products of combustion. Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing.

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:**
Depending on the extent of release, consider the need for emergency responders with adequate personal protective equipment for clean-up, need for evacuation or restriction to access of spill area.

**Personal Precautions:**
Provide adequate ventilation. Do not eat, drink or smoke during clean up. If necessary, use self-contained respirator, or filtered mask. Wear protective clothing, eye protection and impervious gloves (e.g. neoprene). Wash thoroughly after clean up.

**Environmental Precautions:**
Prevent spills from entering storm sewers/drainage or contact with soil.

**Clean up Methods:**
Small spills may be wiped up and rinsed with water. For larger spills, neutralize with sodium carbonate or absorb on inert material (e.g. sand). Pick up absorbent and dispose of at an appropriate waste disposal facility.
### 7. HANDLING AND STORAGE

**Handling:** Never use with chlorine products. Can react to give chlorine gas. If this occurs, flush toilet to remove chemicals and leave area. Do not return for half hour. Ventilate if possible. Never use or mix with other cleaners or chemicals. Do not use on any surface that can be damaged by acid materials. Do not breathe mist/vapors. Wash hands, face and any skin contact thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing, eye protection, face protection. Use product only according to label directions. If unsure about safe use, contact your supervisor. Provide adequate ventilation during use.

**Storage:** Keep out of reach of children. Do not contaminate water, food or feed by storage and disposal. Store locked up in tightly closed, original, corrosive resistant container in a cool (10˚ - 30˚C), dry, well-ventilated area. Do not freeze or expose to direct sunlight. Store in an area inaccessible to children and persons unfamiliar with its use.

**Incompatible Products:** Chlorine bleach, alkali.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

<table>
<thead>
<tr>
<th>Chemical Name / CAS#</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloric Acid 7647-01-0</td>
<td>TWA: 2 ppm (C)</td>
<td>TWA: 5 ppm (C)</td>
<td>-</td>
</tr>
</tbody>
</table>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value
OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits
Immediately Dangerous to Life or Health

**Engineering Measures:** General ventilation normally adequate.

**Eye / Face Protection:** Chemical resistant goggles or face protection.

**Skin and Body Protection:** Wear chemical-resistant gloves. Protective clothing (long sleeves, pants), eyewash, safety shower are always advisable when working with chemicals.

**Respiratory Protection:** No protective equipment is needed under normal use conditions. If necessary to prevent exposure above occupational limits, use an approved cartridge style respirator.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. For environmental protection, remove and wash all contaminated protective equipment before re-use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Floral, acidic</td>
</tr>
<tr>
<td>Color</td>
<td>Green/blue</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (as is)</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Melting / freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>212 °F</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>similar to water</td>
</tr>
<tr>
<td>Flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>1.045</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Dynamic viscosity: No data available
Explosive properties: No data available
Softening Point: No data available
VOC Content (by wt): <0.5% (<5 mg/L) (Excluding LVP material)
Particle Size: No data available
Particle Size Distribution: No data available

10. STABILITY AND REACTIVITY

Reactivity: No data available.
Chemical Stability: Stable under recommended storage conditions.
Possibility of Hazardous Reactions: None under normal processing.
Hazardous Polymerization: Hazardous polymerization does not occur.
Conditions to Avoid: Temperatures above 50°C or below 10°C.
Incompatible Materials: Mixing with bleach, alkali, or oxidizers may generate toxic gases.
Hazardous Decomposition Products: Hydrogen chloride

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Toxicity data is not available for this mixture. Data below are estimates based on summation methods.

<table>
<thead>
<tr>
<th>Test</th>
<th>Results</th>
<th>Classification (A.0.4.1(c))</th>
<th>Basis (A.1.3.6.1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>&gt; 2000mg/kg</td>
<td>Not applicable</td>
<td>Ingredient literature (Additive formula)</td>
</tr>
<tr>
<td>Dermal</td>
<td>&gt; 2000mg/kg</td>
<td>Not applicable</td>
<td>Ingredient literature (Additive formula)</td>
</tr>
<tr>
<td>Inhalation</td>
<td>&gt; 20 mg/L</td>
<td>Not applicable</td>
<td>Ingredient literature (Additive formula)</td>
</tr>
<tr>
<td>Eye Damage/Irritation</td>
<td>Corrosion</td>
<td>Category 1</td>
<td>Ingredient literature</td>
</tr>
<tr>
<td>Skin Damage/Irritation</td>
<td>Irritation</td>
<td>Category 1B</td>
<td>Ingredient literature</td>
</tr>
</tbody>
</table>

Summary: Skin and eye contact are most likely routes of exposure. Exposure causes skin irritation and serious eye damage.

Subchronic/Chronic Toxicity:

<table>
<thead>
<tr>
<th>Test</th>
<th>Results</th>
<th>Classification</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Sensitization</td>
<td>Not a sensitizer</td>
<td>Not applicable</td>
<td>Ingredient literature</td>
</tr>
</tbody>
</table>

Summary: Repeated or prolonged contact causes skin irritation and serious eye damage.

Carcinogens – Ingredients are not listed on the NTP Report on Carcinogens, “IARC Monographs or by OSHA *IARC does list “strong inorganic acid mists” as carcinogenic, but under normal conditions, no exposure to acid mists occurs. Acid solutions are not listed

Other data - No other toxicological information is available for this mixture.

12. ECOLOGICAL INFORMATION

This material has not been tested for acute environmental effects

Persistence and degradability: Material is not persistent. All organic components > 1% are readily biodegradable.
Bio-accumulative potential: No evidence to suggest bio-accumulation will occur.
Mobility: Accidental spillage may lead to penetration of soil and groundwater. However, due to degradability, no evidence suggests this would cause adverse ecological effects. Material will lower pH of affected area.

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by disposal.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray, or mixture of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or if allowed by state and local authorities, burn. If burned, stay out of smoke.
14. TRANSPORT INFORMATION

24-HR EMERGENCY PHONE: 1-888-322-0912

DOT:
- UN-No.: UN1789
- Proper Shipping Name: Corrosive Liquid, Flammable, N.O.S. (Hydrochloric Acid)
- Hazard Class: 8
- Packing Group: II
- Description: UN1789, Corrosive Liquid, Flammable, N.O.S. (Hydrochloric Acid), 8, II
- Packaging exceptions: When packaged in containers of 5L (1.3 gallons) or less, this product may be shipped under the 49 CFR 173.150 packaging exemption for Limited Quantity
- Emergency Response Guide #: 154
- Marine Pollutant: No

15. REGULATORY INFORMATION

FIFRA: This product is a US EPA Registered pesticide. EPA Reg. No. 8155-6-86226, and is subject to certain labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide products. Following is the hazard information as required on the pesticide label:
- Signal word: Danger
- Hazard statement: Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed.

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains no chemicals which are reported under the requirements of the Act.

SARA 311/312 Hazard Categories
- Acute Health Hazard: Yes
- Chronic Health Hazard: No
- Fire Hazard: No
- Sudden release of pressure hazard: No
- Reactive Hazard: No

California Proposition 65
This product does not contain any substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statue.

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name / CAS#</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloric acid 7647-01-0</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

TSCA: Disinfectants are exempt from TSCA inventory listing.

16. OTHER INFORMATION

Prepared By: Regulatory Specialist, Staples Brand Group, (508) 253-5000

Always follow label directions carefully when using this or any other chemical product. If information about this product is required, please contact Staples at 1-888-322-0912 or visit our website at www.staplesadvantage.com. Keep Safety Data Sheets filed and organized in an area accessible to workers according to all applicable regulations.

All information contained in this SDS is provided to the best of Staples Contract & Commercial Inc’s knowledge. No warranty is made with respect to this information expressed or implied, including warranties of merchantability or fitness for a particular purpose. Users are responsible for verifying the information under their own operating conditions to determine whether the products listed in the SDS are suitable for their intended use. Users are responsible for compliance with all laws and regulations as may be required by their receipt of the information and use of the products provided with this SDS.