

SAFETY DATA SHEET

Date Issued: 05-28-2015

Supersedes: 08-30-2013

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

Serious eye damage/eye irritation	Category 1
Skin corrosion/irritation	Category 1B
Corrosive to metals	Category 1

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

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

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/drains 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

Chemical Name / CAS#	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrochloric Acid 7647-01-0	TWA: 2 ppm (C)	TWA: 5 ppm (C)	-

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

Appearance: Liquid **Odor:** Floral, acidic
Color: Green/blue **Odor Threshold:** No information available

<u>Property</u>	<u>Values</u>
pH (as is)	<1
Melting / freezing point	No data available
Boiling point /boiling range	212 °F
Flash Point	No data available
Evaporation Rate	similar to water
Flammability	No data available
Lower flammability limit	No data available
Vapor density	No data available
Relative Density	1.045
Water Solubility	Soluble in water
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available

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.

Test	Results	Classification (A.0.4.1(c))	Basis (A.1.3.6.1)
Oral	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Dermal	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Inhalation	> 20 mg/L	Not applicable	Ingredient literature (Additive formula)
Eye Damage/Irritation	Corrosion	Category 1	Ingredient literature
Skin Damage/Irritation	Irritation	Category 1B	Ingredient literature

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

Subchronic/Chronic Toxicity:

Test	Results	Classification	Basis
Skin Sensitization	Not a sensitizer	Not applicable	Ingredient literature.

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 subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

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 statute.

U.S. State Right-to-Know Regulations

Chemical Name / CAS#	New Jersey	Massachusetts	Pennsylvania
Hydrochloric acid 7647-01-0	X	X	X

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.