

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sparkel Toilet Bowl Cleaner
Synonyms: Not available.
Product Use: Cleaning Toilet Bowls. Household use.
Manufacturer/Supplier: Chemtec Chemicals Ltd.
 1990 Inland Drive
 Regina, SK
 Canada
Phone Number: (306) 543-1788
Emergency Phone: (306) 543-1788 (day); (306) 543-4498 (night)
Date of Preparation: March 6, 2013

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER
 CAUSES BURNS TO EYES AND SKIN. MAY
 IRRITATE EYES AND SKIN.

Colour: Red.
Physical State: Liquid.
Odour: Irritating.

WHMIS	Personal Protection Equipment	TDG (Ground)
		

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Inhalation: May cause respiratory irritation. Signs/symptoms may include burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema.

Eye: Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Skin: Causes severe skin burns and eye damage. Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

Ingestion: Causes burns to nose, mouth, throat, and digestive tract. Signs/symptoms may include severe mouth, throat and abdominal pain, nausea, vomiting, and diarrhea, blood in the feces and/or vomitus may also be seen. Hydrochloric acid may cause corrosion and permanent tissue destruction of the esophagus and digestive tract.

Medical Conditions Aggravated By Exposure: Not available.

Target Organs: Skin. Eyes. Gastrointestinal tract. Respiratory system. Lungs. Teeth.

Potential Environmental Effects: See Section 12 for more information.

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

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	CAS No.	% wt./wt.
Hydrochloric acid	7647-01-0	5 - 10

Section 4: FIRST AID MEASURES

Inhalation:	If inhaled: Remove person to fresh air and keep comfortable for breathing.
Eye Contact:	If in eyes: Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.
Skin Contact:	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Immediately call a poison center or doctor. Wash contaminated clothing before reuse.
Ingestion:	If swallowed: Rinse mouth. Immediately call a poison center or doctor/physician. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
General Advice:	In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).
Note to Physicians:	Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

Flammability:	Not flammable or combustible by OSHA/WHMIS criteria. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.
Means of Extinction	
Suitable Extinguishing Media:	Use appropriate extinguishing media for surrounding fire.
Unsuitable Extinguishing Media:	Not available.
Products of Combustion:	Chlorine.
Protection of Firefighters:	Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and self-contained breathing apparatus.
Explosion Data	
Sensitivity to Mechanical Impact:	This material is not sensitive to mechanical impact.
Sensitivity to Static Discharge:	This material is not sensitive to static discharge.

Section 6: ACCIDENTAL RELEASE MEASURES

- Emergency Procedures:** Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate enclosed areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- Personal Precautions:** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protection recommended in Section 8.
- Environmental Precautions:** Prevent entry into waterways, sewers, basements or confined areas.
- Methods for Containment:** Stop leak if you can do it without risk. Dike area with absorbent material.
- Methods for Clean-Up:** Small spills can be flushed with large amounts of water. For large spills, absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use limestone or Soda Ash to neutralize.
- Other Information:** See Section 13 for disposal considerations.

Section 7: HANDLING AND STORAGE**Handling:**

Do not swallow. Do not breathe mist, vapours, or spray. Wash thoroughly after handling. See Section 8 for information on Personal Protective Equipment.

Storage:

Store locked up. Store away from incompatible Materials. See Section 10 for information on Incompatible Materials. Keep out of the reach of children.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines****Component**

Hydrochloric acid [CAS No. 7647-01-0]

ACGIH: 2 ppm (C); A4 (2000)

OSHA: 5 ppm (C), 7 mg/m³ (C);

C: Ceiling

Engineering Controls:

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapour, gas, etc.) below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT (PPE)**Eye/Face Protection:**

Wear chemical safety goggles. Ensure that eyewash stations and safety showers are close to the workstation location. Use equipment for eye protection that meets the standards referenced by OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

Hand Protection:	Wear protective gloves. Rubber gloves are recommended. Consult manufacturer specifications for further information.
Skin and Body Protection:	Wear protective clothing. Clothing with full length sleeves and pants should be worn.
Respiratory Protection:	If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator with organic vapor/acid gas cartridge and particulate filter, or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.
General Hygiene Considerations:	Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red liquid.
Colour:	Red.
Odour:	Irritating.
Odour Threshold:	7 mg/m ³ , (HCl)
Physical State:	Liquid.
pH:	4
Viscosity:	Not available.
Melting Point:	-40 °C (-40 °F)
Boiling Point:	61.1 °C (142 °F)
Flash Point:	Not available.
Evaporation Rate:	Not available.
Lower Flammability Limit:	Not available.
Upper Flammability Limit:	Not available.
Vapor Pressure:	25 mmHg at 20 °C (68 °F)
Vapor Density:	Not available.
Specific Gravity:	1.16 (Water = 1)
Density:	Not available.
Solubility in Water:	Soluble.
Coefficient of Water/Oil Distribution:	Infinite.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %:	Not available.
VOC content, wt. %:	Not available.

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions.
Conditions of Reactivity: Contact with incompatible materials. Exposure to heat.
Incompatible Materials: Bases. Oxidizers. Water. Metals. Amines.
Hazardous Decomposition Products: Chlorine. Hydrogen.
Possibility of Hazardous Reactions: None known.

Section 11: TOXICOLOGICAL INFORMATION
EFFECTS OF ACUTE EXPOSURE
Component Toxicity

Component	CAS No.	LD ₅₀ oral	LD ₅₀ dermal	LC ₅₀
Hydrochloric acid	7647-01-0	900 mg/kg (rabbit)	Not available.	1108 ppm (mouse); 1H

Inhalation: May cause respiratory irritation. Signs/symptoms may include burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema.
Eye: Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.
Skin: Causes severe skin burns and eye damage. Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.
Ingestion: Causes burns to nose, mouth, throat, and digestive tract. Signs/symptoms may include severe mouth, throat and abdominal pain, nausea, vomiting, and diarrhea, blood in the feces and/or vomitus may also be seen. Hydrochloric acid may cause corrosion and permanent tissue destruction of the esophagus and digestive tract.

Skin Sensitization: Not available.

Respiratory Sensitization: Not available.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Skin. Eyes. Gastrointestinal tract. Respiratory system. Lungs. Teeth.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation. Prolonged exposure to Hydrochloric acid may cause conjunctivitis, photosensitization, and possible blindness, and may have effects on the lungs, resulting in chronic bronchitis.

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by ACGIH, IARC, OSHA, or NTP.

Component Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Prop 65
Hydrochloric acid	A4	Group 3	Not listed.	Not listed.	Not listed.

Mutagenicity: Not available.

Reproductive Effects: Not available.

Developmental Effects

Teratogenicity: Not available.

Embryotoxicity: Not available.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions: Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

Section 14: TRANSPORT INFORMATION

U.S. Department of Transportation (DOT)

Proper Shipping Name: UN1789, HYDROCHLORIC ACID SOLUTION, 8, PG III

Class: 8

UN Number: UN1789

Packing Group: III

Label Code:



Note: 5 Liters (1.3 Gallons) and less may be Classed as CONSUMER COMMODITY, ORM-D

Canada Transportation of Dangerous Goods (TDG)

Proper Shipping Name: UN1789, HYDROCHLORIC ACID SOLUTION, 8, PG III

Class: 8

UN Number: UN1789

Packing Group: III

Label Code:



Note: 5 Liters (1.3 Gallons) and less may be Shipped as Limited Quantity.

Section 15: REGULATORY INFORMATION

Chemical Inventories

US (TSCA)

The components of this product are in compliance with the chemical notification requirements of TSCA.

Canada (DSL)

The components of this product are in compliance with the chemical notification requirements of the NSN Regulations under CEPA, 1999.

Federal Regulations

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification: Class E - Corrosive Material.

Hazard Symbols:



United States

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SARA Title III

Component	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313	RCRA CODE	CAA 112(r) TQ (lbs.)
Hydrochloric acid	Not listed.	Not listed.	5000	Not listed.	Not listed.	Not listed.

State Regulations

Massachusetts

US Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

Component	CAS No.	RTK List
Hydrochloric acid	7647-01-0	E

Note: E = Extraordinarily Hazardous Substance

New Jersey

US New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

Component	CAS No.	RTK List
Hydrochloric acid	7647-01-0	SHHS

Note: SHHS = Special Health Hazard Substance

Pennsylvania

US Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

Component

Hydrochloric acid

CAS No.

7647-01-0

RTK List

E

Note: E = Environmental Hazard**California****California Prop 65:** This product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.**Section 16: OTHER INFORMATION**

Disclaimer: The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for their own particular use.

MSDS Expiry Date (Canada): March 5, 2016**Version:** 1.0**MSDS Prepared by:** **Aegis Regulatory Inc.****Phone: (519) 488-0351****www.aegisreg.com**