



ENFORCER Products  
 A Division of Acuity Specialty Products  
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# Material Safety Data Sheet and Safe Handling and Disposal Information

**Section 1. Chemical Product and Company Identification**

**Product name**            Acidic Toilet Bowl Cleaner

**Product Code**            HD1040-PF

**Date of issue**             04/06/07                    **Supersedes** 04/21/04

**Emergency Telephone Numbers**            **For a Medical Emergency:**  
 INFOTRAC  
 (877) 541-2016 (Toll Free - Calls Recorded)

**For a Transportation Emergency:**  
 CHEMTREC  
 (800) 424-9300 (Toll Free - Calls Recorded)

**Printing Date:**

**Prepared by**            Compliance Services Group  
 Acuity Specialty Products Group  
 1420 Seaboard Industrial Blvd.  
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**Section 2. Composition, Information on Ingredients**

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
HYDROCHLORIC ACID; muriatic acid; hydrogen chloride	7647-01-0	5-15	<b>ACGIH (United States).</b> TWA: 5 ppm <b>OSHA (United States).</b> CEIL: 5 ppm
SULFAMIC ACID; amidosulfonic acid	5329-14-6	1-5	Not established
QUATERNARY AMMONIUM CHLORIDES; blend of alkyl dimethylbenzyl ammonium chlorides, alkyl dimethyl ethylbenzyl ammonium chlorides, and ethanol	68391-01-5; 68956-79-6	1-5	<b>ACGIH TLV (United States).</b> TWA: 1000 ppm 8 hour(s). <b>OSHA PEL (United States).</b> TWA: 1900 mg/m <sup>3</sup> 8 hour(s).

**Section 3. Hazards Identification**

**Acute Effects**                    **Routes of Entry** Dermal contact. Eye contact. Inhalation.

**Skin**                    Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Eyes**                    Causes eye burns. Direct contact with the eyes can cause irreversible damage including blindness.

**Inhalation** Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

**Ingestion** Harmful if swallowed. May cause burns to mouth, throat and stomach.

**Carcinogenic Effects**            Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Chronic Effects**            Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to repeated attacks of bronchial infection.

**See Toxicological Information (section 11)**

**HMIS**

<b>Health</b>	<b>3</b>
<b>Fire Hazard</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</b>

**Section 4. First Aid Measures**

**Eye Contact**                    In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Check for and remove any contact lenses. Get medical attention immediately.

**Skin Contact**                    In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

**Inhalation**                    If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion**                    Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

<b>Flash Point</b>	Not applicable.	<b>Flammable Limits</b>	Not applicable.
<b>Flammability</b>	Non-flammable.		
<b>Fire Hazard</b>	May release dangerous gases (chlorine).		
<b>Fire-Fighting Procedures</b>	Use an extinguishing agent suitable for surrounding fires.		

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Put on appropriate personal protective equipment (see Section 8). Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
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**Section 7. Handling and Storage**

<b>Handling</b>	Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Wash thoroughly after handling. Do not reuse product container. Do not use with other products.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area. Containers that are opened must be carefully resealed and kept upright to prevent leakage. Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection****Personal Protection****Protective Clothing (Pictograms)**

<b>Eyes</b>	Splash goggles.	
<b>Body</b>	Protective gloves should be worn under normal conditions of use.	
<b>Respiratory</b>	A respirator is not needed under normal and intended conditions of product use.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b>	Blue-green.
<b>pH</b>	<1 [Acidic.]	<b>Odor</b>	Sassafras
<b>Boiling Point</b>	100°C (212°F)	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	1.04 (Water = 1)	<b>Vapor Density</b>	Not determined.
<b>Solubility</b>	Easily soluble in cold water, hot water.	<b>Evaporation Rate</b>	Not determined.
		<b>VOC (Consumer)</b>	0%

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Highly reactive with oxidizing agents, metals, alkalis.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	carbon oxides (CO, CO <sub>2</sub> ) . May emit toxic fumes under fire conditions.

**Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	<b>Hydrochloric Acid:</b>	
	ORAL (LD50):	Acute: 900 mg/kg [Rabbit].
	VAPOR (LC50):	Acute: 3124 ppm 1 hour(s) [Rat].
	<b>SULFAMIC ACID:</b>	
	ORAL (LD50):	Acute: 3160 mg/kg [Rat.].
	<b>Quaternary Ammonium Chlorides:</b>	
ORAL (LD50):	Acute: >500 mg/kg [Rat].	
DERMAL (LD50):	Acute: >2000 mg/kg [Rabbit].	

**Section 12. Ecological Information**

<b>Ecotoxicity</b>	Not available.
<b>Biodegradable/OECD</b>	Not available.

**Section 13. Disposal Considerations**

<b>Waste Information</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Waste Stream</b>	Code: D002 Classification: - (Hazardous waste.) Origin: - (RCRA waste.)

Consult your local or regional authorities.

**Section 14. Transport Information**

<b>Proper shipping name</b>	Corrosive liquid, acidic, inorganic, n.o.s.(Hydrochloric acid) or Consumer Commodity ORM-D in limited quantities
<b>DOT Classification</b>	Class 8: Corrosive liquid.
<b>UN number</b>	UN3264
<b>TDG Classification</b>	TDG Class 8: Corrosive liquid; 9.2: Environmentally hazardous material.

**Section 15. Regulatory Information**

<b>U.S. Federal Regulations</b>	SARA 313 toxic chemical notification and release reporting: No products were found. Clean Water Act (CWA) 311: Hydrochloric Acid Clean air act (CAA) 112 regulated toxic substances: No products were found. All Components of this product are listed or exempt from listing on TSCA inventory.
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<b>State Regulations</b>	California prop. 65: No products were found.
<b>WHMIS (Canada)</b>	Class D-1B: Material causing immediate and serious toxic effects (TOXIC). Class D-2B: Material causing other toxic effects (TOXIC). Class E: Corrosive liquid.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*