



ENFORCER Products
 A Division of Acuity Specialty Products Group,
 Inc.
 P.O. Box 1060
 Cartersville, GA 30120
 1-888-805-HELP

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 HD104032/128 CN104032/128

Date of issue 04/07/04 **Supersedes** 01/31/03

Emergency Telephone Numbers **For MSDS Information:**
 Compliance Services (404) 352-1680
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.
 Atlanta, GA 30318

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	ACGIH (United States). TWA: 5 ppm OSHA (United States). 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	ACGIH TLV (United States). TWA: 1000 ppm 8 hour(s). OSHA PEL (United States). TWA: 1900 mg/m ³ 8 hour(s).

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Dermal contact. Eye contact. Inhalation.
Skin Hazardous in case of skin contact (corrosive). Skin contact may produce burns.
Eyes Hazardous in case of eye contact (corrosive). Causes eye burns.
Inhalation Hazardous in case of inhalation. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Over-exposure by inhalation may cause respiratory irritation.
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 frequent attacks of bronchial infection.

See Toxicological Information (section 11)

HMIS

Health	3
Fire Hazard	0
Reactivity	0
Personal Protection	B

Section 4. First Aid Measures

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

Section 5. Fire Fighting Measures

Flash Point	Not applicable.	Flammable Limits	Not applicable.
Flammability	Non-flammable.		
Fire Hazard	Not applicable.		
Fire-Fighting Procedures	Use an extinguishing agent suitable for surrounding fires.		

**Section 6. Accidental Release Measures**

Spill Clean up	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

Handling	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.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep out of the reach of children.

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

Eyes	Splash goggles.	
Body	Protective gloves should be worn under normal conditions of use.	
Respirator	A respirator is not needed under normal and intended conditions of product use.	

Section 9. Physical and Chemical Properties

Physical State	Liquid.	Color	Blue-green.
pH	<1 [Acidic.]	Odor	Sassafras
Boiling Point	100°C (212°F)	Vapor Pressure	Not determined.
Specific Gravity	1.04 (Water = 1)	Vapor Density	Not determined.
Solubility	Easily soluble in cold water, hot water.	Evaporation Rate	Not determined.
		VOC (Consumer)	2 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Highly reactive with OXIDIZING AGENTS, metals, alkalis.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	In a fire, decomposition may produce toxic gases/fumes.

Section 11. Toxicological Information

Toxicity to Animals	Hydrochloric Acid:
	ORAL (LD50): Acute: 900 mg/kg [Rat].
	VAPOR (LC50): Acute: 4701 ppm 0.5 hour(s) [Rat].
	Sulfamic acid:
	ORAL (LD50): Acute: 3160 mg/kg [Rat].
	Quaternary Ammonium Chlorides:
	ORAL (LD50): Acute: 250 mg/kg [Rat].

Section 12. Ecological Information

Ecotoxicity	Not available.
Biodegradable/OE	Not available.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Code: D002 Classification: Corrosive Origin: RCRA
Consult your local or regional authorities.	

Section 14. Transport Information

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

Section 15. Regulatory Information**U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:

Hydrochloric Acid

Clean Water Act (CWA) 311: Hydrochloric Acid

Clean air act (CAA) 112 regulated toxic substances: No products were found.

State Regulations

California prop. 65: No products were found.

WHMIS (Canada)

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.