



Material Safety Data Sheet and Safe Handling and Disposal Information

ENFORCER Products,
Inc.
P.O. Box 1060
Cartersville, GA 30120
1-888-805-HELP

Section 1. Chemical Product and Company Identification

Product Name **Acidic Toilet Bowl Cleaner**

Product Code **SLTB32**

Date of issue **02/03/04** **Supersedes** 07/31/01

Emergency telephone number **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)

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
PHOSPHORIC ACID	7664-38-2	1-5	OSHA PEL (United States). TWA: 1 mg/m ³ 8 hour(s). OSHA / ACGIH (United States). STEL: 3 mg/m ³ 15 minute(s).
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). Corrosive to the skin.

Eyes Hazardous in case of eye contact (corrosive). Causes eye burns. Direct contact with the eyes can cause irreversible damage including blindness.

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.

HMIS

Health	3
Fire Hazard	0
Reactivity	1
Personal Protection	C

Carcinogenic Effects 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)

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. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

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. Fire-fighters should wear proper protective equipment.



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.

Section 7. Handling and Storage

Handling Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors or spray mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Do not use with other products.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 40°F - 120°F (4.4°C - 49°C). Keep away from food, drink and animal feeding stuffs. Do not reuse container. 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.

Wear apron or coverall if potential for exposure to splashes.



Respirator Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

Section 9. Physical and Chemical Properties

Physical State Liquid. (Viscous 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) Not determined.

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Extremely reactive or incompatible with metals, alkalis.

Highly reactive with oxidizing agents. Do not use with other products.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products carbon oxides (CO, CO₂) Heating may cause evolution of hydrogen chloride gas.

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].

Phosphoric acid:

ORAL (LD50): Acute: 1530 mg/kg [Rat].

DERMAL (LD50): Acute: 2740 mg/kg [Rabbit]. >1260 mg/kg [Rat].

Quaternary Ammonium Chlorides:

ORAL (LD50): Acute: 250 mg/kg [Rat].

Section 12. Ecological Information

Ecotoxicity Not available.

Biodegradable/OEC 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: Phosphoric acid; Hydrochloric acid Clean air act (CAA) 112 regulated toxic substances: Hydrochloric acid
---------------------------------	--

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.