



ENFORCER Products, 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 Shower Tub & Tile Cleaner

Product Code HDSTT32PF / CNSTT32 /
HDSTT128PF CNSTT128PF

Date of issue 10/17/03 **Supersedes** 01/31/03

Emergency Telephone Numbers

For MSDS Information:
Compliance Services (404) 352-1680

For a Medical Emergency:
CHEM-TEL
(800) 255-3924 (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
SULFAMIC ACID; amidosulfonic acid	5329-14-6	0-10	Not available.
HYDROXYACETIC ACID; glycolic acid; hydroxyethanoic acid	79-14-1	0-10	Not available.

Section 3. Hazards Identification

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

Skin Slightly hazardous in case of skin contact. Skin contact may produce burns.

Eyes Hazardous in case of eye contact (corrosive). Inflammation of the eye is characterized by redness, watering, and itching.

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.

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

HMIS

Health	3
Fire Hazard	0
Reactivity	0
Personal Protection	B

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. 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. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Section 5. Fire Fighting Measures

Flash Point Not applicable. **Flammable Limits** Not applicable.

Flammability Not applicable.

Fire Hazard Not applicable.

Fire-Fighting Procedures Use DRY chemicals, CO₂, water spray or foam. 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. Do not breathe vapor or mist. Avoid prolonged or repeated contact with skin. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 40°F and 120°F. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection**Personal Protection**

Eyes Splash goggles.
Body Disposable outer garments when there is the potential for contact with the material.

Protective Clothing (Pictograms)

Respirator: A respirator is not needed under normal and intended conditions of product use.

Section 9. Physical and Chemical Properties

Physical State	Liquid.	Color	Colorless.
pH	1.5 [Acidic.]	Odor	Pleasant.
Boiling Point	100°C (212°F)	Vapor Pressure	Not determined.
Specific Gravity	1.02 (Water = 1)	Vapor Density	Not determined.
Solubility	Easily soluble in cold water, hot water.	Evaporation Rate	Not determined.
		VOC (Consumer)	0 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.
Incompatibility Slightly reactive to reactive with oxidizing agents, alkalis.
Hazardous Polymerization Not available.
Hazardous Decomposition Products Not applicable.

Section 11. Toxicological Information

Toxicity to Animals

Sulfamic acid:	
ORAL (LD50):	Acute: 3160 mg/kg [Rat.].
Hydroxyacetic acid:	
ORAL (LD50):	Acute: 1938 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

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Corrosive liquid, Acidic. Inorganic nos (Sulfamic Acid and Hydroxyacetic Acid) or Consumer Commodity ORM-D in Limited Quantities.
DOT Classification Class 8: Corrosive material
UN number UN1760
TDG Classification Class 8: Corrosive material

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting:
No products were found.
Clean Water Act (CWA) 311: No products were found.
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-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.