



ENFORCER Products
 A Division of Acuity Specialty Products
 Group, Inc.
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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 ZUSTT32PF
Date of issue 09/07/07 **Supersedes**

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.
 Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
SULFAMIC ACID; amidosulfonic acid; amidosulfuric acid	5329-14-6	0 - 10	Not established
HYDROXYACETIC ACID; glycolic acid; hydroxyethanoic acid	79-14-1	0 - 10	Not established

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Skin contact. Eye contact. Inhalation. Ingestion.
Skin Skin contact may produce burns. The amount of tissue damage depends on length of contact.
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 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	n, p

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. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point Not applicable. **Flammable Limits** Not applicable.
Flammability Not applicable.
Fire Hazard May decompose to form toxic/corrosive gases.
Fire-Fighting Procedures No special measures required. 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. Avoid prolonged or repeated contact with skin. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Store in tightly closed container. Wash thoroughly after handling.

Storage Containers that are opened must be carefully resealed and kept upright to prevent leakage. Store between 40°F - 120°F (4.4°C - 49°C). 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 during handling. (Rubber gloves.)
Disposable outer garments when there is the potential for contact with the material.



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

Section 9. Physical and Chemical Properties

Physical State Liquid.

Color Colorless to light yellow.

pH < 1.0 [Acidic.]

Odor Fresh, Pleasant.

Boiling Point 100°C (212°F)

Vapor Pressure Not determined.

Specific Gravity 1.052 (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 Will not occur.

Hazardous Decomposition Products sulfur oxides (SO₂, SO₃...) and carbon oxides (CO, CO₂)

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/OECD 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: - (Hazardous waste.)
Origin: - (RCRA waste.)

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Corrosive liquid, acidic, organic, n.o.s. (Sulfamic acid, Hydroxyacetic acid) or Consumer Commodity ORM-D in Limited Quantities

DOT Classification Class 8: Corrosive material

UN number 3265

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.

All Components of this product are listed or exempt from listing on TSCA inventory.

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.