

ENFORCER Products, Inc.
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**Material Safety Data Sheet
and Safe Handling and Disposal Information**

Section 1. Chemical Product and Company Identification

Product Name	Grout Cleaner
Product Code	SLGT32
Formula No.	FGROUT
Date of issue	03/27/03
Emergency telephone number	<p>For MSDS Information: Compliance Services (404) 352-1680</p> <p>For a Medical Emergency: INFOTRAC (877) 541-2016 (Toll Free - Calls Recorded)</p> <p>For a Transportation Emergency: CHEMTREC (800) 424-9300 (Toll Free - Calls Recorded)</p>
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
1) HYDROCHLORIC ACID; muriatic acid; hydrogen chloride	7647-01-0	0-10	ACGIH (United States). TWA: 5 ppm OSHA (United States). CEIL: 5 ppm
2) ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	0-10	ACGIH TLV (United States). Skin TWA: 20 ppm OSHA PEL (United States). Skin TWA: 25 ppm

Section 3. Hazards Identification

Acute Effects	Routes of Entry Eye contact. Skin contact. Inhalation. Ingestion.
Skin	Hazardous in case of skin contact (corrosive). Skin contact may produce burns.
Eyes	Very hazardous in case of eye contact (corrosive).
Inhalation	Slightly hazardous in case of inhalation (lung sensitizer). Inhalation may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.
Ingestion	Very hazardous in case of ingestion. May be fatal 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 exposure to the substance can produce damage to red blood cells, liver, or kidneys. Repeated skin exposure can produce local skin destruction, or dermatitis.
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. 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. If irritation persists, get medical attention.
Ingestion	If swallowed, 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 immediately.

Section 5. Fire Fighting Measures

Flash Point	Not applicable.	Flammable Limits	Not applicable.
Flammability	Not applicable.		
Fire Hazard	Not applicable.		
Fire-Fighting Procedures	Not applicable.		



Section 6. Accidental Release Measures

Spill Clean up 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 Do not ingest. Do not breathe vapor or mist. 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.

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.

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

**Section 9. Physical and Chemical Properties**

Physical State Liquid.

Color Amber. (Light.)

pH <1 [Acidic.]

Odor Sassafras

Boiling Point 100°C (212°F)

Vapor Pressure Not available.

Specific Gravity 1.06 (Water = 1)

Vapor Density Not available.

Solubility Easily soluble in cold water, hot water.

Evaporation Rate Not available.

VOC (Consumer) 21 (g/l).

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.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products Not determined.

Section 11. Toxicological Information**Toxicity to Animals****Ethylene glycol monobutyl ether:**

ORAL (LD50): Acute: 1746 mg/kg [Rat].

Hydrogen chloride:

ORAL (LD50): Acute: 900 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: 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: Ethylene glycol monobutyl ether; Hydrochloric acid
Clean Water Act (CWA) 311: Hydrochloric acid
Clean air act (CAA) 112 regulated toxic substances: Ethylene glycol monobutyl ether; 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.