



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

Material Safety Data Sheet and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name Tile & Terrazzo Cleaner
Product Code ZUCQT
Date of issue 10/09/07 **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
SODIUM METASILICATE; silicic acid (H2-Si-O3) disodium salt; water glass	6834-92-0	<5	Supplier Suggested (United States) • CEIL: 2 mg/m ³ Not established
DIETHYLENE GLYCOL MONOMETHYL ETHER; 2-(2-meth-oxy)-ethanol; methyl carbitol	111-77-3	5 - 15	
ETHYLENE GLYCOL MONOPHENYL ETHER; 2-phenoxy ethanol	122-99-6	<5	ACGIH TLV (United States). TWA: 5 ppm 8 hour(s). OSHA PEL (United States). TWA: 19 mg/m ³ 8 hour(s). Not established
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetraacetic acid; tetrasodium salt	64-02-8	<5	Not established
SODIUM DODECYLBENZENE SULFONATE; linear alkyl aryl sodium sulfonate; Sodium DDBSA	25155-30-0	<5	Not established
MONOETHANOLAMINE; 2-aminoethanol; MEA	141-43-5	<5	OSHA PEL / ACGIH TLV (United States). TWA: 3 ppm 8 hour(s). OSHA /ACGIH (United States). STEL: 6 ppm 15 minute(s).

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Dermal contact. Eye contact. Ingestion.
Skin Direct contact may cause irritation and redness. Skin inflammation is characterized by itching, scaling, or reddening. Harmful if absorbed through the skin. Prolonged contact can cause severe irritation or even burns.
Eyes Causes severe eye irritation. Direct contact with the eyes can cause irreversible damage.
Inhalation Over-exposure by inhalation may cause respiratory irritation.
Ingestion Harmful if swallowed. Can cause gastrointestinal disturbances.

Carcinogenic Effects Ingredients: None are listed as carcinogens by OSHA, NTP or IARC.

Chronic Effects Repeated or prolonged exposure to the substance can produce damage to kidneys, lungs, liver, testes, thyroid.

See Toxicological Information (section 11)

HMIS	
Health	2
Fire Hazard	0
Reactivity	0
Personal Protection	B

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.
Inhalation	If inhaled, remove to fresh air. If irritation persists, 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. 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	Not applicable.		
Fire-Fighting Procedures	Use DRY chemicals, CO ₂ , 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. Flush residual spill (area) with large amount of water.
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Section 7. Handling and Storage

Handling	Do not get in eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapors or spray mists. Use with adequate ventilation. Do not ingest. Do not reuse container. After handling, always wash hands thoroughly with soap and water.
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. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection

	Personal Protection	Protective Clothing (Pictograms)
Eyes	Splash goggles.	
Body	Recommended: Rubber gloves. Butyl gloves. Nitrile gloves.	
Respiratory	A respirator is not needed under normal and intended conditions of product use.	

Section 9. Physical and Chemical Properties

Physical State	Viscous liquid.	Color	Reddish
pH	12.5 - 13.5	Odor	Mild.
Boiling Point	104.4°C (220°F)	Vapor Pressure	Not determined.
Specific Gravity	1.06 (Water = 1)	Vapor Density	Not determined.
Solubility	Easily soluble in cold water, hot water.	Evaporation Rate	Not determined.
		VOC (Consumer)	74 (g/l). 0.62 lbs/gal 7.0%

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Slightly reactive to reactive with oxidizing agents, acids.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	carbon oxides (CO, CO ₂)

Section 11. Toxicological Information

Toxicity to Animals	Diethylene Glycol Monomethyl Ether: DERMAL (LD50): Acute: 650 mg/kg [Rabbit].
	Sodium Metasilicate: ORAL (LD50): Acute: 1153 mg/kg [Rat]. 770 mg/kg [Mouse].
	Ethylene Glycol Monophenyl Ether: ORAL (LD50): Acute: 1260 mg/kg [Rat]. DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].
	Tetrasodium Ethylenediamine Tetraacetate : ORAL (LD50): Acute: 4100 mg/kg [Rat].
	Sodium Dodecylbenzene Sulfonate: ORAL (LD50): Acute: 1260 mg/kg [Rat]. 2000 mg/kg [Mouse].
	Monoethanolamine: ORAL (LD50): Acute: 1720 mg/kg [Rat]. DERMAL (LD50): Acute: >1000 mg/kg [Rabbit].

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, basic, inorganic, n.o.s. (Sodium Metasilicate, Monoethanolamine) or Consumer Commodity ORM-D in Limited Quantity**DOT Classification** Class 8: Corrosive liquid.**UN number** UN3266**TDG Classification** TDG Class 8: Corrosive liquid.**Section 15. Regulatory Information****U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:Diethylene Glycol Monomethyl Ether
Ethylene Glycol Monophenyl Ether

Clean Water Act (CWA) 311: Sodium Dodecylbenzene Sulfonate (RQ 1,000 lbs)

Clean air act (CAA) 112 regulated toxic substances: Diethylene Glycol Monomethyl Ether; Ethylene Glycol Monophenyl Ether

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)** WHMIS Class E: Corrosive liquid. Class D-2B: Material causing other toxic effects (TOXIC).**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.