

SAFETY DATA SHEET

Date Entered: 2/1/06 Revised: 11/24/13

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PRODUCT AND COMPANY IDENTIFICATION

- (1.) Trade Name: **SERUM TG**
- (2.) Chemical Name: ACID SALT CLEANER
- (3.) Product Number: 5-671-04
- (4.) Chemical Family: Heavy Duty Cleaner for Tile and Grout Cleaner
- (5.) Chemical Formula: Proprietary
- Manufactured By: Serum Products, LLC
1355 West Oak Commons Lane
Unit B
Marietta Ga 30062 U.S.A.
+1 (678)-290-1880
- (7.) Preparers Name: Bill Lyon Phone: 8664776078 U.S.A.
- (8.) **Emergency Phone Number:** Medical: (800)-535-5053 Transportation: **(866)-477-6078**



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HAZARDS IDENTIFICATION

- (1.) Hazardous Classification: N/A
- (2.) Signal Word: N/A
- (3.) Hazardous Statement: N/A
- (4.) Precautionary Labeling: Avoid contact with eyes. Do not ingest. keep out of reach of children. When not in use, keep container tightly closed. Store container in cool, dry area. store at temperatures below 125°F. Do not dispose of unused portions into water, creeks, rivers, estuaries or oceans. Do not reuse empty container. Use gloves when handling this product.
- (5.) Description Other Hazards:
- (6.) Unknown Toxicity:

HAZARD CLASS
UN NUMBER
EMERGENCY PHONE (866)-477-6078

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COMPOSITION/INFORMATION ON INGREDIENTS

Note: the list of all hazardous substances or CERCLA greater 1% and carcinogens at 0.1% or greater.

(1.)Ingrediente:	(2.)SARA Nota 313	(3.) CAS #:	(4.) CAS #:	(5.) % range:	(6.) PEL:	(7.) LD50:	(7.) TLV:
Dipropylene Glycol Monomethyl Ether	No	34590-94-8		<1	n/d	5500 mg/kg	n/d
Ethoxylated Alcohol Surfactant	No	68439-46-3		1-3	n/d	n/d	13 ppm
Non-Acid Blend	No	Mixture		13-18	n/d	n/d	13 ppm

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Balance Nonhazardous

Note:

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FIRST AID MEASURES

(1.) Main entry routes into the body(s): _____ (2.) Eyes: ____ (3.) Skin: X (4.) Inhalation: ____ (5.) Ingestion: ____

(6.) Acute Effects:

(7.) Eyes: tissue irritation, swelling, blurred vision, blindness

(8.) Skin: No reaction anticipated

(9.) Inhalation: some tissue irritation, shortness of breath

(10.) Ingestion: Harmful or fatal if ingested in large amounts.

(11.) Acute Symptoms: May result in gastro-intestinal distress.

(12.) Note to Physician:
none known

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FIRE FIGHTING MEASURES

(1.) Flammable Properties: none

Extinguishing media

(2.) Suitable Extinguishing Media:
Normal procedures

(3.) Unsuitable extinguishing media:
CO₂

Protection of Fire Fighters

(4.) Protective Equipment:
Full Face respirator, full body suit

(5.) Specific Hazards:
none

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ACCIDENTAL RELEASE MEASURES

- (1.) Personal Precautions: _____
- (2.) Environmental Precautions: Keep out of water ways, creeks, lakes, ponds, tributaries and oceans
- (3.) Waste Disposal Method: _____
Neutralize product with alkaline material to pH 7, then dispose to waste treatment system.

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HANDLING AND STORAGE

- (1.) Storage: Store drums in cool areas out of direct sunlight and away from combustibles. Store at temperatures below 37.7°C or 100°F
- (2.) Handling: use chemical resistant gloves and eye protection when handling concentrate
- (3.) Precautionary Labeling: Avoid contact with eyes. Do not ingest. keep out of reach of children. When not in use, keep container tightly closed. Store container in cool, dry area. store at temperatures below 125°F. Do not dispose of unused portions into water, creeks, rivers, estuaries or oceans. Do not reuse empty container. Use gloves when handling this product.

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Exposure Controls/Personal Protection

- (1.) **Ventilation:** (2.) Local Exhaust: _____ (3.) General Exhaust: (4.) None Required: _____
- (5.) **Personal Protection Equipment:**
(6.) **Respirator Type:** (7.) Full Face Respirator: _____ (8.) Half Face Respirator: _____ (9.) Dust Particle Filter: _____
- Note: EYE PROTECTION AND CHEMICAL RESISTANT GLOVES
- (10.) **Gloves:** (11.) Natural rubber: _____ (12.) Plastic: (13.) Nitril: (14.) Neoprene: (15.) Butyl: _____
(16.) Other: _____
- (17.) **Eye Protection:** (18.) Glasses With Side Shields: (19.) Full Face Shield: _____ (20.) Chemical Splash Goggles: _____
(21.) Other: _____

(22.) **Symbols Of PPE Required:**



CHEMICAL NAME:	ACGIH	OSHA
HYDROGEN PEROXIDE	1 ppm (TWA)	1 ppm (PEL)

(23.) **Engineering Controls:**

GENERAL Ventilation should be provided to minimize AEROSOLIZED PARTICLES OF LIQUID CLEANER.

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PHYSICAL & CHEMICAL PROPERTIES

- (1.) Physical State: Liquid
- (2.) Appearance: Clear
- (3.) Odor: None
- (4.) Boiling Point: 212 °F 212 °C
- (5.) Freeze Point: 32 °F 0 °C
- (6.) Flash Point: N/A °F
- (7.) Specific Gravity: 1.07
- (8.) Density: 8.4 lbs./Gal.
- (9.) pH Neat: 2.5
- (10.) pH 1%: 3.5
- (11.) % Solids: 16.3%
- (12.) % Volatiles: ?
- (13.) Solubility In Water: 100%
- (14.) Vapor Pressure: n/d
- (15.) Vapor Density: n/d
- (16.) Evaporation Rate: >Water
- (17.) VOC Less Exempt: 0.0
- (18.) VOC As Packaged: 0.0
- (19.) Viscosity: _____

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CHEMICAL STABILITY & REACTIVITY INFORMATION

- (1.) Thermal Stability: Stable
- (2.) Chemical Stability: Stable
- (3.) Condition To Avoid: Heat over 125 degrees F or 51.6 degrees C
- (4.) Hazardous Decomposition Products: none
- (5.) Hazardous Polymerization: (A) May Occur: _____ (B) Will not occur: X
- (6.) Materials To Avoid: all strong alkaline chemicals
- (7.) Corrosive Action On Materials: oxidizer on iron
- (8.) Avoid: _____

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TOXICOLOGICAL INFORMATION

- (1.) Routs(s) of entry into the body: (2.) Eyes: _____ (3.) Skin: X (4.) Inhalation: _____ (5.) Ingestion: _____
- (2.) Eyes: Will irritate surface of iris and white of the eye. Keep out of eyes
- (3.) Inhalation: Short term choking and gagging could occur.
- (4.) Skin: skin irritant
- (5.) Ingestion: Causes burning of the mouth, esophagus, and stomach lining. drink large volumes of water immediately
- (6.) Toxicity Data: As with most chemicals, Toxicity depends on length of time exposed, concentration of exposure and PPE controls in place at the time of exposure.

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(7.) Summary Of Health Effects:

None expected

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ECOLOGICAL INFORMATION

(1.) Environment:

Should be kept out of rivers, creeks and tributaries.

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DISPOSAL CONSIDERATIONS

(1.) Waste Disposal:

This product can be neutralize with a small amount of mild alkalinity and disposed of down the sanitary sewer system.

(2.) Legislation:

None

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TRANSPORTATION INFORMATION

(1.) Indicate country agency/regulator that specifies requirements: U.S.A.-DOT

(2.) Proper Shipping Description:

Compounds, Cleaning, Liquid, N.O.B.I.N., Item Name: Serum TG, Item Number: 5
-671-04, Container:Case, NMFC:48580-03

(3.) Hazard Class: N/A (4.) Hazard Number: N/A (5.) HazChem Code Number: N/A

(6.) Packaging Group: N/A (7.) Emergency Response Code: N/A

(8.) Labels Required: N/A

(9.) Other Requirements: N/A

(10.) Note: N/A

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REGULATORY INFORMATION

(1.) Poison Schedule:

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP)

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OTHER INFORMATION

(1.) Additional Information:

ABBREVIATIONS:

ADB- Air Dry Basis

BEI - Biological Exposure Indice(s)

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds

CNS - Central Nervous System

IARC - International Agency for Research on Cancer

M - moles per litre, a unit of concentration

mg/m³ - Milligrams per cubic metre

NOS - Not Otherwise Specified

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline)

ppm = Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

(2) Recommendations:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

COLOUR RATING SYSTEM: All Chem Alert reports has a colour rating of Green, Amber or Red for the sole purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all Chem Alert reports so as to clearly identify how users can control the hazards and there by reduce the risk (or likelihood) of adverse effects. As a general guideline, a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

While all due care has been taken Serum Products in the preparation of the Colour Rating System, it is intended as a guide only and Serum does not provide any warranty in relation to the accuracy of the Colour Rating System. As far as is lawfully possible, Serum accepts no liability or responsibility whatsoever for the actions or omissions of any person in reliance on the Colour Rating System.

(3) Report Status:

This document has been compiled by Serum Products the manufacturer of the product and serves as the manufacturer's Safety Data Sheet (SDS).

It is based on information concerning the product which has been provided by Serum Products or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from Serum Products.

While Serum Products has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Serum Products accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

Chemical Alert Color: **GREEN**

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SERUM TG

Reorder Number:

SDS Date: 11/24/13 End Report