

The Butler Corporation

251 Moody Street
Ludlow, Massachusetts 01056
Telephone 1-800-535-5025

HAZARD RATING HMIS

Health=2, Flammability=0, Reactivity=0
(Index 4=very high, 3=high, 2=moderate
1=slight, 0=insignificant)

Material Safety Data Sheet**I. General Information**

Trade Name & Synonym Tile Grout and Hard Surface Cleaner	Chemical Family Surfactant/detergent
Chemical Name & Synonym Mixture	Date prepared June 2005
	Prepared by Aziz Ullah Ph.D.

II. Ingredients

Water, Sodium Silicate, Glycol Ethers 2-8%, Biodegradable anionic and non-ionic surfactants

III. Physical Properties**Boiling Point**

Approx. 212°F

Specific Gravity (Water=1)

About 0.95

Vapor Pressure (mm Hg.)

ND

Melting Point

ND

Vapor Density (AIR=1)

>1

Evaporation Rate (Butyl Acetate=1)

>1

Solubility in Water

Complete

Appearance and odor

Greenish yellow liquid with fresh pine odor

pH (Liquid as is)

13.0-13.5

Ready to use

11.5-12.00

IV. Fire and Explosion Hazard Data**Flash Point (TOC)**

Over 200°F

Flammable Limits

ND

LEL**UEL**

NA

Extinguishing Media

Foam, CO₂, Dry Chemical, Water Fog

Special Fire Fighting Procedures

Usual fire fighting procedures can be used

Unusual Fire and Explosion Hazards

None known

V. Reactivity Data**Stability**

Unstable

Conditions to avoid

Stable

X

Incompatibility (Materials to avoid)

Acids

Hazard Decomposition or Byproducts

When exposed to fire emits normal products of combustion

Hazardous

May occur

Conditions to avoid**Polymerization**

Will not occur

X

Page 1

ND-NOT DETERMINED

NA-NOT APPLICABLE

NE-NOT ESTABLISHED

The Butler Corporation

Material Safety Data Sheet

VI. Health Hazard Data

Routes of Entry	Inhalation	Skin	Ingestion	Eyes
	Yes	Yes	No	Yes

Health Hazards

Due to high pH and presence of glycol ethers, there is possibility of corrosive damage to eyes or internal Organs-if ingested

Signs and Symptoms of Exposure

Irritation, discomfort

Medical Conditions Aggravated by Exposure

None known

Emergency and First Aid Procedures

Flush thoroughly with water. If irritation persists see physician if ingested drink milk or water see physician

VII. Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

For small spills flush with water, for larger spills take up in absorbent material and containerize (non-hazardous waste)

Waste Disposal Method

Check with federal state or local regulations. Waste may be discharged into sanitary sewer as non-hazardous waste if regulations permit

Precautions to be taken in Handling and Storing

Keep away from heat; keep away from eyes and repeated or prolonged contact with skin

Other Precautions

NA

VIII. Control Measures

Respiratory Protection

General room ventilation is adequate

Ventilation	Local Exhaust	Special
<u>Not normally required</u>		

Protective Gloves

Impermeable gloves suggested

Eye protection

goggles suggested

Other Protective Clothing or Equipment

NA

Work/Hygienic Practices

Wash after handling Keep out of reach of children

DISCLAIMER: The Butler Corporation warrants this product conforms to specifications when used as directed. No guarantee is made to the accuracy of any data or statement contained herein, as this information is furnished in good faith and believed to be true and accurate. No warranty, express or implied is made. This information is offered for consideration investigation and verification. The Butler Corporation is not liable for incidental, special, or consequential damages with its publication.