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Section 1 – Product Identity as used on Label

GROUT SEALER & PROTECTANT

MSDS Prepared: June 1999

Manufacturer: Tile Care Products, Inc.
730 Tower Dr.
Hamel, MN 55340

MATERIAL SAFETY DATA SHEET (MSDS)

Section 2 – Hazardous Ingredients/Identity Information

Hazardous Components <i>(Specific Chemical Identity/Common Names(s))</i>	CAS #	TWA	STEL	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Sodium Silicate	016589438	N/D	N/D	2mg/m ³ ceiling*	2mg/m ³ ceiling*	N/D	3

*Same limits as for sodium hydroxide.

Note: All other ingredients have been defined as non-hazardous by OSHA standards 29cfr1910.1200.

NFPA Ratings: Health: N/D Fire: N/D React: N/D Specific Hazard: N/D

HMIS Ratings: Health: N/D Fire: N/D React: N/D PPI: N/D

Section 3 – Physical/Chemical Characteristics

Boiling Point

212°F

Vapor Pressure (mm Hg)

Approx. 24 at 77°F

Vapor Density (Air=1)

Same as moist air

Solubility in Water

100%

Appearance and Odor

Semi-clear liquid, no odor

Specific Gravity (H₂O=1)

Approx. 1

Melting Point

Approx. 32°F

Evaporation Rate (Butyl Acetate=1)

N/D

pH

11.85

Percent Volatile Organics

<0.1%

Section 4 – Fire and Explosion Hazard Data

Flash Point 1 (Method used)

None

Extinguishing Media

Water, CO₂, Dry Chemical, Foam

Special Fire Fighting Procedures

Product does not burn

Flammable Limits

(In air, % by volume)

LEL

N/A

UEL

N/A

Auto Ignition Temperature

N/A

Unusual Fire and Explosion Hazards

Product does not burn

Section 5 – Reactivity Data

Stability: Unstable Stable Conditions to avoid
XX N/D

Incompatibility (Materials to avoid)

Strong oxidizers

Hazardous Decomposition or Byproducts

Carbon Monoxide

Hazardous Polymerization: May Occur Should Not Occur Conditions to Avoid
XX N/D

Section 6 – Health Hazard Data

Primary Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion?	Eyes?
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Health Hazards (Acute, Chronic, Reproductive)
N/D

Carcinogenicity: N/D	NTP?	IARC Monographs?	OSHA Regulated?
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Signs and Symptoms of Exposure

- Eyes: Direct contact burns eyes with possible injury.
- Skin: Burns skin upon long periods of contact.
- Skin absorption: N/D
- Ingestion: Small amounts should not injure. Swallowing large amounts may cause injury.
- Inhalation: Mist may irritate nose and throat.

Medical Conditions Generally Aggravated by Exposure
N/D

Emergency and First Aid Procedures

- Eyes: Flush immediately with water for 15 minutes. Get immediate medical attention.
- Skin: Flush immediately with water for 15 minutes. Get immediate medical attention.
- Ingestion: Do not induce vomiting. Treat same as for sodium hydroxide, 3% solution. Get immediate medical attention.
- Inhalation: Remove to fresh air. Get immediate medical attention.

Section 7 – Precautions for Safe Handling and Use

Steps To Be Taken in Case Material is Released or Spilled

Use absorbent material to collect, contain for disposal.

Waste Disposal Method

- Dispose according to applicable regulations.
- All wastes must be disposed of in accordance with federal, state and local regulations.

Precautions To Be Taken in Handling and Storing

Store in a cool, dry place.

Dot shipping Classification

This product is not a hazardous material or hazardous substance as defined by the Department of Transportation, nor is it a dangerous good as defined by IATA for air transportation.

Section 8 – Control Measures

Respiratory Protection (Specific Type)

Use a NIOSH approved mist filter if misting is likely.

Ventilation	Local Exhaust Mechanical (General)	Special Other	As necessary to keep exposure within TLV and PEL guidelines
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Protective Gloves

Rubber

Eye Protection

Use chemical worker goggles

Other Protective Clothing or Equipment

Avoid contact by wearing impervious clothing, rubber gloves, apron, boots.

Work/Hygienic/Maintenance Practices

N/D

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