

## SAFETY DATA SHEET

Current Revision: 1, 8/18/2016	Prepared By: Ben Ward, Product Engineer
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### I. IDENTIFICATION

<b>EMERGENCY PHONE:</b> <p style="text-align: center;"><b>CHEMTREC- (800) 424-9300 CCN:</b> <b>19481</b></p>	Salem Fabrication Supplies 5901 Gun Club Road Winston-Salem, NC 27103 Information: <b>(800) 234-1982</b>
<b>PRODUCT NAME:</b> Salem Mighty Cleaner and Protectant	
<b>SYNONYMS:</b> Water based mixture	

**Recommended Use:**

Periodic cleaning and resealing of sealed natural stone surfaces.

**Restrictions:**

Industrial or professional use

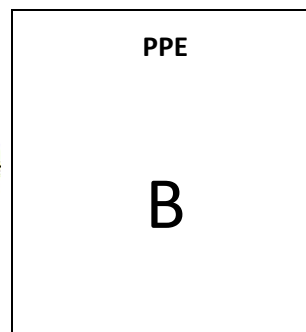
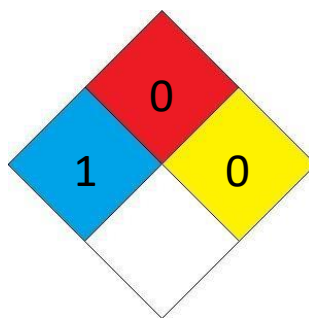
### II. HAZARD IDENTIFICATION

**Classification (§1910.1200):**

Not a hazardous substance according to GHS standards.

**Signal Word/Symbols:**

**NFPA 704**



N/A

**Hazard Statement:**

Mildly irritating to the eyes, upper respiratory tract, and skin (after repeated exposure).

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May cause nausea, abdominal discomfort, and diarrhea if swallowed.

**Precautionary Statement:**

Appropriate protective clothing necessary to prevent repeated or prolonged skin contact should be worn. Skin contact should be minimized by wearing impermeable gloves. Resistant boots should be worn where spills or splashing can occur. Wash hands and other contaminated areas thoroughly with soap and water after handling this product and before eating or smoking. Wash contaminated clothing thoroughly before reuse. Safety showers and eye stations should be available to employees. Normal warehouse storage in a closed container is adequate. Storage temperature should be above freezing and below 120°F.

**Miscellaneous Hazards:**

People sensitive to sulfur compounds can experience aggravated skin irritation. No other known applicable information.

**Unknown Acute Toxicity Statement:**

Not known.

**III.COMPOSITION**

CHEMICAL NAME:	COMMON NAMES:	CAS:	% BY WEIGHT:
Surfactant Blend	N/A	N/A	<4
Fluorinated Alkylamino Co Polymer	N/A	N/A	<2
2-butoxyethanol	N/A	111-76-2	<2
TKPP	N/A	7320-34-5	<2
MEA	N/A	141-43-5	<1
Water	N/A	007732-18-5	Remaining

\*Information withheld as a trade secret

**Classified Impurities and Additives:**

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N/A

## IV. FIRST AID MEASURES

### Inhalation:

Remove to fresh air. If breathing difficult, seek immediate medical attention.

### Skin Contact:

Minimal effect on contact. Wash skin with soap and water. If irritation or adverse symptoms, seek medical attention.

### Eye Contact:

Immediately flush eyes with running water for at least 15 minutes. Seek medical attention.

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### Ingestion:

Do not take internally. Drink large quantities of water. Do not induce vomiting. Seek medical attention.

### Symptoms/Effects:

May cause irritation.

### Level Of Medical Attention Needed:

Seek medical attention if symptoms occur.

## V. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media:

Use extinguishing media suitable for surrounding environment.

### Unsuitable Extinguishing Media:

Not known.

### Specific Hazards:

In fire, may emit vapors containing the surface active components and their decomposition products. These materials should be considered irritants. Also the

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decomposition products may include carbon oxides, sulfur oxide, nitrogen oxides and amines. Heated closed containers may burst due to steam pressure. Cool containers with water.

**Special Protective Equipment:**

Fire fighters should wear self-contained breathing apparatus and full protective clothing.

**VI. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:**

Floors may be slippery; use care to avoid falling.

**Protective Equipment:**

Safety glasses. Skin contact should be minimized by wearing impermeable gloves. Resistant boots should be worn where spills or splashing can occur.

**Emergency Procedures:**

Not known.

**Methods for Cleanup/Removal:**

Transfer liquids and solid diking materials to suitable containers for recovery or appropriate disposal.

**VII. HANDLING AND STORAGE**

**Handling Precautions:**

No special handling is required under normal use. Appropriate protective clothing necessary to prevent repeated or prolonged skin contact should be worn. Wash hands and other contaminated areas thoroughly with soap and water after handling this product and before eating or smoking. Wash contaminated clothing thoroughly before reuse.

**Safe Storage Conditions:**

Normal warehouse storage in a closed container is adequate. Storage temperature should be above freezing and below 120°F. Drain equipment and flush with water to clean.

**Incompatibilities:**

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Avoid prolonged contact with aluminum. Avoid contact with magnesium. May corrode. Avoid oxidizers.

## VIII. EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT

<b>OSHA PEL:</b> Not known.	<b>ACGIH TLV:</b> Not known.	<b>OTHER EXPOSURE LIMITS:</b> Not known.
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### Appropriate Engineering Controls:

Safety showers and eye stations should be available to employees. Keep container closed. Good general ventilation (typically 10 air changes per hour) should be used.

### Personal Protective Measures:

Safety glasses. Where splashing may occur, increased eye and skin protection is beneficial. This may include goggles, face shield, water resistant clothing, and rubber boots. If respiratory irritation is experienced, use a mist, organic vapor type respirator.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

Slightly amber translucent liquid.

<b>Odor:</b> Organic ether.	<b>Odor Threshold:</b> Not known.	<b>Ph:</b> 9
<b>Melting/Freezing Point:</b> Not known.	<b>Boiling Point:</b> 205 °F (96 °C)	<b>Boiling Range:</b> Not known.
<b>Flash Point:</b> Not known.	<b>Evaporation Rate:</b> Water-like.	<b>Flammability (Solid, Gas):</b> Not readily flammable.

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<b>Upper/ Lower Flammability/ Explosive Limit:</b>  Not known.	<b>Vapor Pressure:</b>  20 mm Hg	<b>Vapor Density: PVBW/V &lt;</b>  25 %
<b>Relative Density:</b>  1.01	<b>Solubility (ies):</b>  Water (100%)	<b>Partition Coefficient: NOctanol/Water:</b>  Not known.
<b>Auto Ignition Temperature:</b>  Not known.	<b>Decomposition Temperature:</b>  Not known.	<b>Viscosity:</b>  Water-like.

## X.STABILITY AND REACTIVITY

### Reactivity:

Nonreactive over wide range of pH.

### Chemical Stability:

Stable over wide range of pH.

### Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

### Conditions to Avoid: Static Discharge, Shock, Vibrations, Etc.

Oxidizers, heat.

### Incompatible Materials:

The organic content of the aqueous mixture will react with oxidizers producing heat and oxidation by-products. Will corrode magnesium and aluminum.

### Hazardous Decomposition Products:

Atomization, vaporization or combustion forms aerosols which can carry the surface active agents, and combustion products such as carbon oxide, sulfur oxides, nitrogen oxides and ammonia into the atmosphere.

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## XI. TOXICOLOGICAL INFORMATION

### Possible Exposure Routes (Inhalation Etc.):

Inhalation, skin, eyes, and ingestion.

### Symptoms Related To Toxicological Characteristics:

Irritation.

### Delayed, Immediate, and Chronic Effects:

This product is known to be a mild allergic sensitizer and a mild irritant.

### Numerical Toxicity Measurements:

OSHA PEL and ACGIH TLV has not been established; however, the low vapor pressure of the surface active components in product should produce air concentrations below expected exposure limits. The LD50 has not been determined; however, based upon limited LD50 values for mice and rats and assuming additive toxicity for the components, the LD50 should exceed 10,000 mg/kg.

### NTP/IARC/OSHA Known Carcinogen:

Not a known carcinogen.

## XII. ECOLOGICAL INFORMATION

### Ecotoxicity:

The material is biodegradable and non-toxic to sewage organism with dilution. Tested and found compatible with most sanitary sewer systems and treatment plants. High concentrations in feed to a waste treatment plant may cause foaming and overload system's COD capacity.

### Persistence and Degradability:

BOD 5 day: 50,000 mg/L Estimated. BOD 20 day: 350,000 mg/L Est. COD: 600,000 mg/L

### Est Bioaccumulative Potential:

Not known.

### Soil Mobility:

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Not known.

**Other Adverse Effects:**

Not known.

**XIII. DISPOSAL CONSIDERATIONS**

**Waste Residue and Disposal:**

The material is biodegradable and non-hazardous. Small quantities may be flushed to a sanitary or industrial sewer. Disposal of large quantities should comply with applicable disposal permits.

**XIV. TRANSPORT INFORMATION**

<b>UN Number:</b> None.	<b>UN Proper Shipping Name:</b> Non Flammable Liquid, NOS, Water Based	<b>Transport Hazard Class (es):</b> Non Flammable Liquid, NOS
	Mixture of Surface Active Agents (Organic sulfur/oxygen/nitrogen compounds)	
<b>Packing Group:</b> None.	<b>Environmental Hazards:</b> None.	<b>Transport in Bulk (Annex LI MARPOL 73/78 and IBC Code) Not known.</b>

**Special Precautions:**

None known.

International Harmonic System Code: 3402

**XV. REGULATORY INFORMATION**

**Environmental/ Health/ Safety:**

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This product is non-hazardous under the OSHA Hazard Communication Standard 29 CFR 1910-1200. All components are on the Confidential or Non-Confidential TSCA Inventory List. The ingredients of this product are listed on the TSCA inventory and do not have special toxic substances warning requirements. None of the components in this product require notification of the National Response Center under the CERCLA per 40 CFR 302.4. None of the components in this product require reporting under SARA Title III as emergency planning or release reporting per 40 CFR 355. The components also do not require annual reporting as a toxic chemical under SARA Title III per 40 CFR 372. This product contains no chemicals subject to SARA Title III, Section -13, Part 372. Not listed under ant state Right to Know lists.

## XVI. OTHER INFORMATION

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Salem Fabrication Supplies. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process. Salem Fabrication Supplies assumes no legal responsibility for use of or reliance upon this information.

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