



SAFETY DATA SHEET

Current Revision: 1, 1/25/2017	Prepared by: Ben Ward, Product Engineer
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I. IDENTIFICATION

EMERGENCY PHONE: CHEMTREC- (800) 424-9300 CCN: 19481	Salem Fabrication Supplies 5901 Gun Club Road Winston-Salem, NC 27103 Information: (800) 234-1982
PRODUCT NAME: STM-991	
SYNONYMS: Synthetic coolant.	

Recommended Use:

Glass grinding applications.

Restrictions:

Professional and industrial use.

II. HAZARD IDENTIFICATION

Classification (§1910.1200):

Skin Irrit. 2 H315

Eye Irrit. 2A H319

NFPA 704

Skin Sens. 1 H317

Signal Word/Symbols:

GO BEYOND THE EDGE

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5901 Gun Club Road
Winston-Salem, NC 27103

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CALIFORNIA

10125 Shoemaker Avenue
Santa Fe Springs, CA 90670

Office: 800.445.6339 | 562.944.6155

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2330 Greensburg Road
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3801 NE 109th Ave. Suite C
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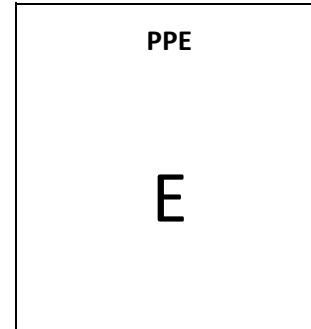
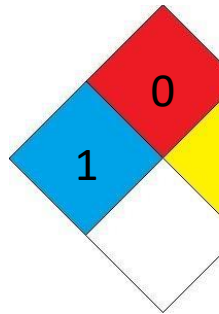
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WARNING



Hazard Statement:

- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.

Precautionary Statement:

- P261 - Avoid breathing vapors, mist, or spray.
- P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves, protective clothing, and eye protection.
- P302+P352 - If on skin: Wash with plenty of water.
- P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 - Specific treatment (see section 4 on this SDS).
- P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 - If eye irritation persists: Get medical advice/attention.
- P362+P364 - Take off contaminated clothing and wash it before reuse.
- P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

Miscellaneous Hazards:

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Exposure may aggravate pre-existing eye, skin, or respiratory conditions. May be harmful to environment if released in large quantities.

Unknown Acute Toxicity Statement:

3.8 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

III.COMPOSITION

CHEMICAL NAME:	COMMON NAMES:	CAS:	% BY WEIGHT:
Proprietary chemical 1	N/A	N/A	7
Proprietary chemical 2	N/A	N/A	<0.16

*Information withheld as a trade secret

Classified Impurities and Additives:

N/A

IV.FIRST AID MEASURES

Inhalation:

When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact:

Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

Eye Contact:

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Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion:

Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Symptoms/Effects:

Causes skin irritation. Skin sensitization.
Prolonged lung exposure may cause irritation.
Skin contact may cause redness, pain, swelling, itching, burning, dryness, and dermatitis.
May cause an allergic skin reaction.
Eye contact causes severe irritation with redness and swelling of the conjunctiva.
Ingestion may cause adverse effects.

Level of Medical Attention Needed:

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

V. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media:

Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Specific Hazards:

Product is not flammable. Product is not explosive. Hazardous reactions will not occur under normal conditions. Do not allow run-off from firefighting to enter drains or water courses.

Special Protective Equipment:

Do not enter fire area without proper protective equipment, including respiratory protection.

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VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or clothing.

Protective Equipment:

Use appropriate personal protection equipment (PPE).

Emergency Procedures:

Use appropriate personal protection equipment (PPE). Evacuate unnecessary personnel. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Methods for Cleanup/Removal:

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Prevent entry to sewers and public waters. Avoid release to the environment.

VII. HANDLING AND STORAGE

Handling Precautions:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety procedures.

Safe Storage Conditions:

Keep from freezing. Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatibilities:

Strong acids, strong bases, strong oxidizers.

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VIII. EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT

OSHA PEL: No established limits.	ACGIH TLV: No established limits.	OTHER EXPOSURE LIMITS: No established limits.
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Appropriate Engineering Controls:

Emergency eye wash fountains and safety showers should be available in the

immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Measures:

- Chemically resistant materials and fabrics.
- Wear protective gloves.
- Chemical safety goggles.
- Wear suitable protective clothing.
- If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.
- When using, do not eat, drink or smoke.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Slight haze - near colorless or faint yellow liquid.

Odor: No data available.	Odor Threshold: No data available.	pH: 9.45-9.70
Melting/Freezing Point: < 32 °F (0 °C)	Boiling Point: > 212 °F (100 °C)	Boiling Range: No data available.

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Flash Point: No data available.	Evaporation Rate: No data available.	Flammability (Solid, Gas): No data available.
Upper/ Lower Flammability/ Explosive Limit: No data available.	Vapor Pressure: No data available.	Vapor Density: No data available.
Relative Density: 1.033	Solubility (ies): Complete	Partition Coefficient: NOctanol/Water: No data available.
Auto Ignition Temperature: No data available.	Decomposition Temperature: No data available.	Viscosity: No data available.

X.STABILITY AND REACTIVITY

Reactivity:

Hazardous reactions will not occur under normal conditions.

Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

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

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Direct sunlight, extremely high or low temperatures, and incompatible materials. Do not freeze.

Incompatible Materials:

Strong acids, strong bases, strong oxidizers.

Hazardous Decomposition Products:

None known. Thermal decomposition generates: Carbon oxides (CO, CO₂).

XI. TOXICOLOGICAL INFORMATION

Possible Exposure Routes (Inhalation Etc.):

Lung, skin, eye, and ingestion.

Symptoms Related To Toxicological Characteristics:

Causes skin irritation. (pH: 9.45-9.70 @ 5%) Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.

Causes serious eye irritation with redness and swelling of the conjunctiva. (pH: 9.45-9.70 @ 5%)

Ingestion may cause adverse effects.

Prolonged exposure may cause lung irritation.

Delayed, Immediate, and Chronic Effects:

None known.

Numerical Toxicity Measurements:

None known.

NTP/IARC/OSHA Known Carcinogen:

Not a known carcinogen.

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XII. ECOLOGICAL INFORMATION

Ecotoxicity:

May be harmful to environment if released in large quantities.

Persistence and Degradability:

Not established.

Bioaccumulative Potential:

No data available.

Soil Mobility:

No data available.

Other Adverse Effects:

Avoid release to the environment.

XIII. DISPOSAL CONSIDERATIONS

Waste Residue and Disposal:

Dispose of contents/container in accordance with local, regional, national, and international regulations.

Container may remain hazardous when empty. Continue to observe all precautions.

Avoid release to the environment. Keep out of sewers and waterways.

XIV. TRANSPORT INFORMATION

UN Number: N/A	UN Proper Shipping Name: N/A	Transport Hazard Class (es): N/A
Packing Group: N/A	Environmental Hazards: N/A	Transport in Bulk (Annex LI MARPOL 73/78 and IBC Code) N/A

Special Precautions:

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No additional information available.

XV. REGULATORY INFORMATION

Environmental/ Health/ Safety:

SARA Section 311/312 Hazard Classes:

Immediate (acute) health hazard

Delayed (chronic) health hazard

US Federal Regulations All ingredients are listed on the United States TSCA (Toxic Substances Control Act) Inventory.

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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