

SAFETY DATA SHEET

Current Revision: 2, 6/27/2016	Prepared By: Ben Ward, Product Engineer
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I. IDENTIFICATION

EMERGENCY PHONE: <p style="text-align: center;">CHEMTREC- (800) 424-9300 CCN: 19481</p>	Salem Fabrication Supplies 5901 Gun Club Road Winston-Salem, NC 27103 Information: (800) 234-1982
PRODUCT NAME: STM-870	
SYNONYMS: Advanced materials coolant.	

Recommended Use:

Synthetic grinding fluid for industrial production.

Restrictions:

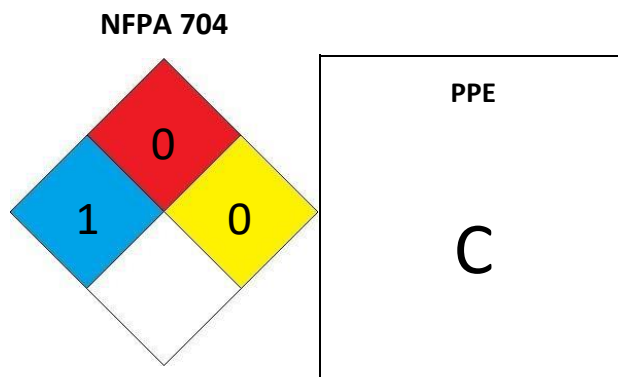
N/A

II. HAZARD IDENTIFICATION

Classification (§1910.1200):

Not a hazardous substance according to GHS regulations.

Signal Word/Symbols:



N/A

Hazard Statement:

N/A

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Precautionary Statement:

N/A

Miscellaneous Hazards:

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

Unknown Acute Toxicity Statement:

< 5% percent of the mixture consists of ingredient(s) of unknown acute toxicity.

III.COMPOSITION

CHEMICAL NAME:	COMMON NAMES:	CAS:	% BY WEIGHT:
Triethanolamine		102-71-6	<8

*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:

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

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Ingestion:

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

Symptoms/Effects:

Symptoms/Injuries: May cause irritation of eyes, skin, digestive, and respiratory tract.

Ingestion may cause adverse effects.

Chronic Symptoms: None known.

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 or explosive.

Special Protective Equipment:

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

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid breathing (vapor, mist, spray). Avoid contact with eyes, skin, or clothing. When spilled, product may create a slip hazard. Use appropriate personal protection equipment (PPE).

Protective Equipment:

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Chemically resistant gloves and protective clothing. Chemical safety goggles.

Emergency Procedures:

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. As with all concentrated synthetic lubricants, prevent entry to sewers, public waters, and environment.

VII.HANDLING AND STORAGE

Handling Precautions:

Avoid the formation of mists in the atmosphere. 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.

Safe Storage Conditions:

Prevent 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, and strong oxidizers.

VIII.EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT

OSHA PEL: N/A	ACGIH TLV: 5mg/m ³ TWA	OTHER EXPOSURE LIMITS: N/A
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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 gloves and protective clothing. Chemical safety goggles. If exposure limits are exceeded or irritation is experienced, approved respiratory. When using, do not eat, drink or smoke.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Blue/clear liquid.

Odor: N/A	Odor Threshold: N/A	Ph: 8.0
Melting/Freezing Point: < 32 °F (0 °C)	Boiling Point: > 212 °F (100 °C)	Boiling Range: N/A
Flash Point: N/A	Evaporation Rate: N/A	Flammability (Solid, Gas): N/A
Upper/Lower Flammability/Explosive Limit: N/A	Vapor Pressure: N/A	Vapor Density: N/A
Relative Density: 1.073	Solubility (ies): Water, complete	Partition Coefficient: NOctanol/Water: N/A

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Auto Ignition Temperature: N/A	Decomposition Temperature: N/A	Viscosity: N/A
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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.

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

Incompatible Materials:

Strong acids, strong bases, and strong oxidizers.

Hazardous Decomposition Products:

Thermal decomposition generates: Carbon oxides (CO, CO₂). Nitrogen oxides. Acrid smoke and irritating fumes.

XI. TOXICOLOGICAL INFORMATION

Possible Exposure Routes (Inhalation Etc.):

Inhalation, ingestion, and skin and eye contact.

Symptoms Related To Toxicological Characteristics:

Skin, eye, and respiratory irritation. Ingestion can cause adverse effects. May cause allergic skin reaction.

Delayed, Immediate, and Chronic Effects:

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See above. No known chronic effects.

Numerical Toxicity Measurements:

LD50 Oral Rat 6400mg/kg
LD50 Dermal Rabbit >2000mg/kg

NTP/IARC/OSHA Known Carcinogen:

IARC: 3

XII.ECOLOGICAL INFORMATION

Ecotoxicity:

LC50 Fish 1: 10600 (10600 - 13000) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC 50 Fish 2: 1000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
ErC50 (algae): 169 mg/l

Persistence and Degradability:

Not established.

Bioaccumulative Potential:

BCF Fish 1: 3.9
Log Pow: -2.53

Soil Mobility:

No information 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.

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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:

N/A

XV. REGULATORY INFORMATION

Environmental/ Health/ Safety:

- All ingredients are listed on the United States TSCA (Toxic Substances Control Act) inventory
- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List

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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