

# **SAFETY DATA SHEET**

Current Revision: 1, 4/5/2018 Prepared By: Ben Ward, Product Engineer

I.IDENTIFICATION

**EMERGENCY PHONE:** 

CHEMTREC- (800) 424-9300

CCN: 19481

PRODUCT NAME: STM - Settle 3

SYNONYMS: Flocculant agent.

Salem Fabrication Supplies 5901 Gun Club Road Winston-Salem, NC 27103

Information: (800) 234-1982

**Recommended Use:** 

Glass settling agent.

**Restrictions:** 

N/A

# **II.HAZARD IDENTIFICATION**

Classification (§1910.1200):

Acute Tox. (oral) Cat. 4 H302

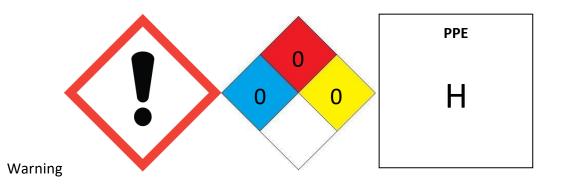
Eye Irrit. 2A H319

Acute Tox. (inhal.) Cat. 4 H332

Full text of H-phrases: see section 16

Signal Word/Symbols: NFPA 704





#### **Hazard Statement:**

H302 - Harmful if swallowed.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

### **Precautionary Statement:**

P102 - Keep out of reach of children.

P103 - Read label before use.

P261 - Avoid breathing vapor.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P270 - Do not eat, drink, or smoke when using this product.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves, protective clothing, and eye protection.

P301 + P312 - IF SWALLOWED: Call poison center or physician if you feel unwell.

P330 - Rinse mouth.

P304 + 340 + P312 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call poison center or physician if you feel unwell.

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).

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 and national regulations.

#### **Miscellaneous Hazards:**

None known

#### **Unknown Acute Toxicity Statement:**

N/A

III.COMPOSITION			
CHEMICAL NAME:	COMMON NAMES:	CAS:	% BY WEIGHT:
N/A	N/A	N/A	N/A

<sup>\*</sup>Information withheld as a trade secret

#### **Classified Impurities and Additives:**

N/A

# **IV.FIRST AID MEASURES**

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

#### Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or



waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

#### **Skin Contact:**

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

#### **Eye Contact:**

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes.

Get medical attention.

#### **Ingestion:**

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

## Symptoms/Effects:

Symptoms/Injuries After Inhalation: Harmful if inhaled

Symptoms/Injuries After Skin Contact: No known significant effects or critical hazards. Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Adverse symptoms may include pain or irritation, watering, redness.

Symptoms/Injuries After Ingestion: Harmful if swallowed.

Chronic Symptoms: None known.

#### **Level Of Medical Attention Needed:**

# GO BEYOND THE EDGE

Office: 724.212.3749



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:**

None known.

#### **Specific Hazards:**

Fire Hazard: In a fire or if heated, a pressure increase will occur and the container may burst. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Reactivity: Hazardous reactions are not expected to occur under normal conditions. Decomposition products may include carbon dioxide, carbon monoxide, nitrogen oxides, and halogenated compounds.

#### **Advice for Firefighters:**

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.



# **VI.ACCIDENTAL RELEASE MEASURES**

#### **Personal Precautions:**

Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray. Evacuate unnecessary personnel. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

### **Protective Equipment:**

Use appropriate personal protection equipment (PPE).

#### **Emergency Responders:**

Protective Equipment: Equip cleanup crew with proper protection.

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:

For Containment: Stop leak if without risk. Move containers from spill area. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Approach release from upwind. For large spill, wash spillages into an effluent treatment plant or contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed wasted disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

## 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. Handle empty containers with care because they may still present a hazard. Do not get in eyes, on skin, or on clothing. Do not breathe vapors, mist, spray.

Handle in accordance with good industrial hygiene and safety procedures.

#### **Safe Storage Conditions:**

Keep container closed when not in use. Store in a dry, cool and well-ventilated place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in original container or corrosive resistant and/or lined container. Use appropriate containment to avoid environmental contamination.

#### Incompatibilities:

None known.

VIII.EXPOSURE CONTR	OLS AND PROTECTIVE E	EQUIPMENT
OSHA PEL: N/A	ACGIH TLV: N/A	OTHER EXPOSURE LIMITS: N/A

#### **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:**

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye Protection: Chemical goggles.

Skin and Body Protection: Wear suitable protective clothing.

# GO BEYOND THE EDGE

**CALIFORNIA** 



If PEL values are exceeded or irritation is experienced, use approved respiratory protection.

# **IX.PHYSICAL AND CHEMICAL PROPERTIES**

### Appearance:

Clear, pale yellow liquid

Odor: Mild	Odor Threshold: N/A	<b>Ph:</b> 6.0-8.0
Melting/Freezing Point: < 32 °F (0 °C)	Boiling Point: > 212 °F (100 °C)	Boiling Range: N/A
Flash Point: N/A	<b>Evaporation Rate:</b> N/A	Flammability (Solid, Gas):
Upper/Lower Flammability/Explosive Limit: N/A	Vapor Pressure: N/A	Vapor Density: N/A
Relative Density: 1.13-1.16	Solubility (ies):  Complete	Partition Coefficient: NOctanol/Water: N/A
Auto Ignition Temperature: N/A	Decomposition Temperature:	Viscosity: N/A



# X.STABILITY AND REACTIVITY

#### Reactivity:

No specific test data related to reactivity available for this product or its ingredients.

#### **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.

#### **Incompatible Materials:**

None known.

#### **Hazardous Decomposition Products:**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Decomposition products may include carbon dioxide, carbon monoxide, nitrogen oxides, and halogenated compounds.

# XI.TOXICOLOGICAL INFORMATION

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

Skin, eye, ingestion, and inhalation.

### **Symptoms Related To Toxicological Characteristics:**

Causes skin and eye irritation

#### **Delayed, Immediate, and Chronic Effects:**

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: Not classified.

Germ Cell Mutagenicity: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Reproductive Toxicity: No known significant effects or critical hazards.



Specific Target Organ Toxicity (Single Exposure): Not available Specific Target Organ Toxicity (Repeated Exposure): Not available

Aspiration Hazard: Not available

Information on the likely routes of exposure: Routes of entry anticipated: Oral, Dermal

Routes of entry not anticipated: Inhalation.

Symptoms/Injuries After Inhalation: Harmful if inhaled.

Symptoms/Injuries After Skin Contact: No known significant effects or critical hazards. Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Adverse symptoms may include pain or irritation, watering, or redness.

Symptoms/Injuries After Ingestion: Harmful if swallowed.

**Chronic Symptoms:** 

Sub-chronic NOEL Oral Rat: 3000 mg/kg 90 days Sub-acute NOEL Dermal Rabbit: >1000 mg/kg 90 days

#### **Numerical Toxicity Measurements:**

**Acute Toxicity:** 

LC50 Inhalation dusts and mists: Rat 2.9 mg/l 4 hours exposure

LD50 Oral Rat: 1951 mg/kg

LD50 Dermal Rabbit: > 2000 mg/kg

Skin Corrosion/Irritation:

Eyes Rabbit: Moderate irritant

Skin Rabbit: Mild irritant

Sensitization:

Skin Guinea pig: Not sensitizing Skin Human: Not sensitizing

#### NTP/IARC/OSHA Known Carcinogen:

Not classified.



# XII.ECOLOGICAL INFORMATION

## **Ecotoxicity:**

Acute LC50 Crustaceans: 13mg/l Marine water (Exposure time: 96 h) Acute LC50 Fish: >600 mg/l Marine water (Exposure time: 96 h)

#### Persistence and Degradability:

Not established

#### **Bioaccumulative Potential:**

No additional information available.

### **Soil Mobility:**

Not known.

#### **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. The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed wasted disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste



packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Ecology – Waste Materials: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

UN Number: Not regulated	UN Proper Shipping Name:	Transport Hazard Class (es): N/A
Packing Group: N/A	Environmental Hazards:  UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Poly[oxyethylene(dim ethylimino)ethylene(di methylimino)ethylene dichloride]), 9, PGIII, Marine Pollutant.	Transport in Bulk (Annex LI MARPOL 73/78 and IBC Code) N/A

### **Special Precautions:**

The marine pollutant mark/environmentally hazardous substance mark is not required when transported in sizes of <5 L or <5 kg. ERG 171.

# XV.REGULATORY INFORMATION

**Environmental/ Health/ Safety:** 



## **US Federal Regulations:**

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

Clean Water Act (CWA) 307: bis(2-chloroethyl) ether Clean Water Act (CWA) 311: bis(2-chloroethyl) ether ARA 302/304: Composition/information on ingredients:

SARA 302 TPQ SARA 304 RQ

			SARA 30	2 TPQ SA	ARA 304 R	Q
			(lbs)	(gallons)	(bs)	(gallons)
Name	%	EHS				
Dichloroethyl ether	0.001	YES	10000	981.5	10	0.98

SARA 304 RQ: 1000000 lbs / 454000 kg [104745.9 gal / 396506.6 L]

SARA 311/312 Classification: Immediate (acute) health hazard

CERCLA: Hazardous substances: 1,4-dioxane: 100 lbs. (45.4 kg); bis(2-chloroethyl) ether

FIFRA: This product is not a registered pesticide.

**US State Regulations:** 

California Prop. 65

Warning: This product contains less than 0.1% of a chemical known to the State of

California to cause cancer.

Ingredient name: Cancer Reproductive 1,4-dioxane Yes. No. bis(2-chlorethyl)

ether Yes. No.

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Dichloroethyl ether	0.001	YES	10000	981.5	10	0.98

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CERCLA: Hazardous substances: 1,4-dioxane: 100 lbs. (45.4 kg); bis(2-chloroethyl) ether FIFRA: This product is not a registered pesticide.

US State Regulations: California Prop. 65

Warning: This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

Ingredient	dient name Cancer		Reproductive 1,4-
dioxane		Yes.	No. bis(2-chlorethyl)
ether	Yes.	No.	

### 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.