

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations  
 Revision Date: 07/09/2020      Date of issue: 01/05/16      Version: 2.0

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** STM- SETTLE 19

#### 1.2. Intended Use of the Product

**Use of the substance/mixture:** Cationic polyelectrolyte flocc agent

#### 1.3. Name, Address, and Telephone of the Responsible Party

##### Company

Salem Fabrication Supplies  
 5901 Gun Club Road  
 Winston-Salem, NC 27103  
 (336) 766-1104      (800)234-1982  
[www.salemdist.com](http://www.salemdist.com)

#### 1.4. Emergency Telephone Number

**Emergency Number** : Chemtrec - USA: 1-800-424-9300    Outside USA: 1-703-527-3887

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

##### Classification (GHS-US)

Skin Irrit. 2                      H315  
 Eye Irrit. 2B                    H320  
 Aquatic Acute 3                H402  
 Full text of H-phrases: see section 16

#### 2.2. Label Elements

##### GHS-US Labeling

**Hazard                      Pictograms                      (GHS-US)                      :**



**Signal Word (GHS-US)                      :** Warning

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**Hazard Statements (GHS-US)**

: H315 - Causes skin irritation  
 H320 - Causes eye irritation  
 H402 - Harmful to aquatic life

**Precautionary Statements (GHS-US)**

: P260 - Do not breath vapors, mist, or spray.  
 P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
 P270 - Do not eat, drink or smoke when using this product.  
 P280 - Wear protective gloves, protective clothing, and eye protection.  
 P301+P310 +P331- If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting.  
 P302+P352 - If on skin: Wash with plenty of water.  
 P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
 P321 - Specific treatment (see section 4 on this SDS).  
 P332+P313 - If skin irritation occurs: Get medical advice/attention.  
 P362 - Take off contaminated clothing and wash it before reuse.  
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
 P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

**2.3. Other Hazards** Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Harmful to aquatic life.

**2.4. Unknown Acute Toxicity (GHS-US)**

No data available

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substance**

Not applicable

**3.2. Mixture**

| Name   | Product Identifier  | %     |
|--|---------------------|-------|
| Ethanaminium, N,N,N-trimethyl-2-[(1-oxo-2-propenyl)oxy]-,chloride, polymer with 2propenamide | (CAS No) 69418-26-4 | 38-42 |
| Petroleum distillate, hydrotreated light   | (CAS No) 64742-47-8 | 55-65 |
| Alcohols, C11-15 secondary, ethoxylated  | (CAS No) 68131-40-8 | 1-5   |
| Adipic acid  | (CAS No) 124-04-9   | 0-1   |

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200]. Full text of H-phrases: see section 16

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of First Aid Measures**

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

Obtain medical attention if irritation develops or persists.

**First-aid Measures After 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.

**First-aid Measures After Ingestion:** Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician. If vomiting occurs, keep head below waistline.

**4.2. Most important symptoms and effects, both acute and delayed** No information available.

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible). Notes to physician: Treat symptomatically.

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire. If water is used, restrict pedestrian and vehicular traffic in areas where a slip hazard may exist.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

#### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

#### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**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.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

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

##### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

##### 6.1.2. For 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.

#### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

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**6.3. Methods and Material for Containment and Cleaning Up**

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Dispose of all materials in accordance with all federal, state, and local regulations. Do not pour material into ground waters, streams, or directly into sewers. Product may form a gel that is difficult to dissolve.

**6.4. Reference to Other Sections**

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for Safe Handling**

**Precautions for Safe Handling:** Ensure adequate ventilation. 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 eyes, skin, and clothing. Keep away from sources of ignition and heat.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

**7.2. Conditions for Safe Storage, Including Any Incompatibilities**

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** 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.

**Incompatible Products:** None known.

**7.3. Specific End Use(s)**

Cationic polyelectrolyte floc agent

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control Parameters**

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

|                               |           |                        |
|-------------------------------|-----------|------------------------|
| <b>Adipic acid (124-04-9)</b> |           |                        |
| <b>USA ACGIH</b>              | ACGIH TLV | 5mg/m <sup>3</sup> TWA |

**8.2. Exposure Controls**

**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 Equipment**

: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.

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|  |   |
|--|---|
| <b>Materials for Protective Clothing</b> | : Chemically resistant materials and fabrics.   |
| <b>Hand Protection</b>                   | : Wear protective gloves.   |
| <b>Eye Protection</b>                    | : Chemical safety goggles.  |
| <b>Skin and Body Protection</b>          | : Wear suitable protective clothing.  |
| <b>Respiratory Protection</b>            | : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. |
| <b>Other Information</b>                 | : When using, do not eat, drink or smoke.   |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

|   |                     |
|---|---------------------|
| <b>Physical State</b>                         | : Liquid            |
| <b>Appearance</b>                             | : Emulsion          |
| <b>Odor</b>                                   | : Mineral oil-like  |
| <b>Odor Threshold</b>                         | : No data available |
| <b>pH</b>                                     | : ~4.0              |
| <b>Evaporation Rate</b>                       | : No data available |
| <b>Melting Point</b>                          | : No data available |
| <b>Freezing Point</b>                         | : No data available |
| <b>Boiling Point</b>                          | : No data available |
| <b>Flash Point</b>                            | : > 199°F (> 93 °C) |
| <b>Auto-ignition Temperature</b>              | : No data available |
| <b>Decomposition Temperature</b>              | : No data available |
| <b>Flammability (solid, gas)</b>              | : No data available |
| <b>Vapor Pressure</b>                         | : No data available |
| <b>Relative Vapor Density at 20 °C</b>        | : No data available |
| <b>Relative Density</b>                       | : No data available |
| <b>Specific Gravity</b>                       | : 1.00              |
| <b>Solubility</b>                             | : Dispersible       |
| <b>Partition Coefficient: N-Octanol/Water</b> | : No data available |
| <b>Viscosity</b>                              | : 1000 – 5000 mPa   |

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** No hazardous reactions when stored and handled according to instructions.
- 10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials. Avoid all sources of ignition, heat, spark, open flame.
- 10.5. Incompatible Materials:** None known.

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10.6. **Hazardous Decomposition Products:** Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>).

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on Toxicological Effects**

**Acute Toxicity:** Not classified

|                      |              |
|----------------------|--------------|
| <b>LD50 Oral Rat</b> | > 2000 mg/kg |
|----------------------|--------------|

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Irritation:** Causes eye irritation.

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified  
**Specific Target Organ Toxicity (Repeated Exposure):** Not classified  
**Aspiration Hazard:** No aspiration hazard expected.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**Ecology - General** : Harmful to aquatic life.

|                            |                                    |
|----------------------------|------------------------------------|
| <b>LC50 Fish</b>           | 10 - 100mg/l (Exposure time: 96 h) |
| <b>EC 50 Daphnia magna</b> | 10 -100 mg/l (Exposure time: 48 h) |

**12.2. Persistence and Degradability** Not established

**12.3. Bioaccumulative Potential** Accumulation in organisms is not expected.

**12.4. Mobility in Soil** No additional information available

**12.5. Other Adverse Effects**

**Other Information** : Avoid release to the environment.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations.

**Additional Information:** Container may remain hazardous when empty. Continue to observe all precautions.

**Ecology – Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways. Do not discharge as supplied. A difficult to dissolve gel may form.

**SECTION 14: TRANSPORT INFORMATION**

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**14.1. In Accordance with DOT** Not regulated for transport

**SECTION 15: REGULATORY INFORMATION**

**15.1 US Federal Regulations**

|  |  |
|--|--|
| <b>STM- SETTLE 19</b>                      |  |
| <b>SARA Section 311/312 Hazard Classes</b> | Immediate (acute) health hazard  |
| <b>SARA Section 313</b>                    | Adipic acid CAS 124-04-9   |
| <b>EPA TSCA Regulatory Flag</b>            | All components in the mixture are listed on the United States TSCA (Toxic Substances Control Act) inventory. |

**15.2 US State Regulations**

|  |  |
|--|--|
| <b>Adipic acid (124-04-9)</b>  |  |
| 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   |  |
| <b>California Proposition 65:</b> This chemical contains a chemical known to the state of California to cause cancer or reproductive harm. |  |

**SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Revision Date** : 07/09/2020  
**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**GHS**

|                  |                 |  |
|------------------|-----------------|--|
| <b>Full Text</b> | Aquatic Acute 3 | Hazardous to the aquatic environment - Acute Hazard Category 3 |
|                  | Eye Irrit. 2B   | Serious eye damage/eye irritation Category 2B                  |
|                  | Skin Irrit. 2   | Skin corrosion/irritation Category 2                           |
|                  | H315            | Causes skin irritation   |
|                  | H320            | Causes eye irritation  |
|                  | H402            | Harmful to aquatic life  |

**Phrases:**

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SDS US (GHS HazCom)

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