



# Safety Data Sheet

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**In Case of Emergency, contact Chemtrec 1-800-424-9300**

## 1) Product Identification

### **WT-550FLC Coagulant**

Recommended Use: Processing aid for industrial applications  
Uses Advised Against: None

## 2) Hazards Identification

**GHS Signal Word:** None.

**Classification of the Substance or Mixture:** Not Classified (Classification according to paragraph (d) of 29 CFR 1910.1200)

**Label Elements:** (Classification according to paragraph (d) of 29 CFR 1910.1200)

**Hazard Symbol:** None

**Hazard Statements:** None

**Precautionary Statements:** None

**Hazards Not Otherwise Classified:** Spills produce extremely slippery surfaces.

**Ingredient (s) of Unknown Acute Toxicity:** None

*For explanation of abbreviations see Section 16.*

## 3) Information on Ingredients

**Substances:** Not applicable, this product is NOT a substance.

**Mixtures:**  
*Hazardous Components:* Contains no reportable hazardous substances.

## 4) First Aid Measures

### **Description of First Aid Measures:**

**If Inhaled:** Move to fresh air. No hazards which require special first aid measures.

**If on Skin:** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. In case of persistent skin irritation, consult a physician.

**In in Eyes:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Alternatively, rinse immediately with Diphoterine (eyewash). Get prompt medical attention.

**If Ingested:** Rinse mouth with water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

**Most Important Symptoms and Effects, Both Acute and Delayed:**  
None under normal use.

**Indication of any Immediate Medical Attention and Special Treatment Needed:**  
None under normal use.

**Other Information:** None

## 5) Fire and Explosion Data/Fire Fighting Measures

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### Extinguishing Media:

Suitable Media: Water. Water spray. Foam. Carbon Dioxide (CO<sub>2</sub>). Dry powder.

Unsuitable Media: None.

### Special Hazards Arising from the Substance or Mixture:

Hazardous Decomposition Products: Carbon oxides (CO<sub>x</sub>). Nitrogen oxides (NO<sub>x</sub>). Hydrogen chloride. Hydrogen cyanide (hydrocyanic acid) may be produced in the even of combustion in an oxygen deficient atmosphere.

### Advice for Firefighters:

Protective Measures: Wear self-contained breathing apparatus and protective suit.

Other Information: Spills produce extremely slippery surfaces.

## 6) Accidental Release Measures

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### Personal Precautions, Protective Equipment and Emergency Procedures:

Personal Precautions: Do not touch or walk through spilled material. Spills produce extremely slippery surfaces.

Protective Equipment: Wear adequate personal protective equipment (see Section 8 Exposure Controls/Personal Protection).

Emergency Procedures: Keep people away from spill/leak.

**Environmental Precautions:** Do not contaminate water.

### Methods and Material for Containment and Cleaning Up:

Small Spills: Do not flush with water. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

Large Spills: Do not flush with water. Dam up. Clean up promptly by scoop or vacuum.

Residues: Soak up with inert absorbent material. After cleaning, flush away traces with water.

**Reference to Other Sections:** Section 7 Handling and Storage; Section 8 Exposure controls/ personal protection; Section 13 Disposal Considerations.

## 7) Handling and Storage

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### Precautions for Safe Handling:

Avoid contact with skin and eyes. Renders surfaces extremely slippery when spilled. When using, do not eat, drink or smoke.

### Conditions for Safe Storage, Including any Incompatibilities:

Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

**Specific End Use (s):** None.

## 8) Exposure Controls and Personal Protection

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### Control Parameters:

Occupational Exposure Limits: None

### Exposure Controls:

Appropriate Engineering Controls: Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

### Individual Protection Measures, such as Personal Protective Equipment:

Eye/Face Protection: Safety Glasses with side-shields.

Skin Protection: Wear coveralls and/or chemical apron and rubber footwear where physical contact can occur.

Hand Protection: PVC or other plastic material gloves.

Respiratory Protection: No personal respiratory protective equipment normally required.

Additional Advice: Wash hands and face before breaks and immediately after handling the product. Wash hands before breaks and at the end of workday.

### Environmental Exposure Controls:

Do not allow uncontrolled discharge of product into the environment.

## 9) Physical and Chemical Properties

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|  |  |
|--|--|
| Appearance:                            | Clear to slightly yellow liquid                              |
| Odor:                                  | None   |
| Odor Threshold:                        | Not applicable   |
| pH Value:                              | 4 — 7  |
| Melting Point/Freezing Point:          | <5°C   |
| Initial Boiling Point & Boiling Range: | >100°C   |
| Flash Point:                           | Does Not Flash   |
| Evaporation Rate:                      | No data available  |
| Flammability (solid, gas):             | Not applicable   |
| Lower Flammability or Explosion Limit: | Not expected to create explosive atmospheres                 |
| Upper Flammability or Explosion Limit: | Not expected to create explosive atmospheres                 |
| Autoignition Temperature:              | Not determined.  |
| Vapor Pressure:                        | 2.3kPa @ 20°C  |
| Vapor Density:                         | 0.804 g/litre @ 20°C   |
| Relative Density:                      | 1.0 — 1.2  |
| Solubility (ies):                      | Completely miscible  |
| Partition Coefficient:                 | <0   |
| Autoignition Temperature:              | Does not self-ignite (based on chemical structure)           |
| Decomposition Temperature:             | >150°C   |
| Viscosity:                             | See Technical Bulletin                                       |
| Explosive Properties:                  | Not expected to be explosive based on the chemical structure |
| Oxidizing Properties:                  | Not expected to be explosive based on the chemical structure |

**Other Information:** None

## 10) Stability and Reactivity

|   |   |
|---|---|
| <b>Reactivity:</b>  | Stable under recommended storage conditions.  |
| <b>Chemical Stability:</b>  | Stable under recommended storage conditions.  |
| <b>Possibility of Hazardous Reactions:</b>  | None known.   |
| <b>Conditions to Avoid:</b>   | Protect from frost, heat and sunlight.  |
| <b>Incompatible Materials:</b>  | None known.   |
| <b>Hazardous Decomposition Products:</b><br><i>Thermal decomposition may produce:</i> | Hydrogen chloride gas, nitrogen oxides (NO <sub>x</sub> ), carbon oxides (CO <sub>x</sub> ). Hydrogen cyanide (hydrocyanic acid) may be produced in the even of combustion in an oxygen deficient atmosphere. |

## 11) Toxicological Information

### Information on Toxicological Effects:

*Information on the product as supplied:*

|                                    |   |
|------------------------------------|---|
| Acute Oral Toxicity:               | LD50/Oral/Rat > 5000 mg/kg.   |
| Acute Dermal Toxicity:             | LD50/Dermal/Rat > 5000 mg/kg.   |
| Acute Inhalation Toxicity:         | Testing by the inhalation route is inappropriate because exposure of humans via inhalation is unlikely; the substance has no vapor pressure and there is practically no exposure to inhalable aerosols. |
| Skin Corrosion/Irritation:         | Non-irritating to skin.   |
| Serious Eye Damage/Eye Irritation: | Slightly irritating.  |
| Respiratory/Skin Sensitization:    | Not sensitizing to skin. No respiratory sensitization has been observed in the workplace.   |
| Mutagenicity:                      | By analogy with similar products, this product is not expected to be mutagenic.   |
| Carcinogenicity:                   | By analogy with similar substances, this substance is not expected to be carcinogenic.  |
| Reproductive Toxicity:             | By analogy with similar substances, this substance is not expected to be toxic for reproduction.  |
| STOT—Single Exposure:              | No known effects.   |
| STOT—Repeated Exposure:            | No known effects.   |
| Aspiration Hazard:                 | Due to the viscosity, this product does not present an aspiration hazard.   |

## 12) Ecological Information

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### TOXICITY:

#### Information on the Product as Supplied:

|                                    |  |
|------------------------------------|--|
| Acute toxicity to fish:            | LC50/Danio rerio/96 hours = 10 — 100 mg/L  |
| Acute toxicity to invertebrates:   | EC50/Daphnia magna/48 hours = 10 — 100 mg/L  |
| Acute toxicity to algae:           | Algal inhibition tests are not appropriate. The flocculation characteristics of the product interfere directly in the test medium preventing homogenous distribution which invalidates the test. |
| Chronic toxicity to fish:          | No data available.   |
| Chronic toxicity to invertebrates: | No data available.   |
| Toxicity to Microorganisms:        | No data available.   |
| Effects on terrestrial organisms   | No data available. Exposure to soil is unlikely.   |
| Sediment toxicity:                 | No data available. Exposure to sediment is unlikely.   |

### Persistence and Degradability:

#### Information on the Product as Supplied:

|              |                            |
|--------------|----------------------------|
| Degradation: | Not readily biodegradable. |
| Hydrolysis:  | Does not hydrolyse.        |
| Photolysis:  | No data available.         |

### Bio accumulative Potential:

Information on the Product as Supplied: The product is not expected to bioaccumulate.

|                                   |    |
|-----------------------------------|----|
| Partition Co-efficient (Log Pow): | <0 |
| Bioconcentration factor (BCF):    | ~0 |

### Mobility in Soil:

Information on the Product as Supplied: Exposure to soil is not to be expected.

|      |                   |
|------|-------------------|
| Koc: | No data available |
|------|-------------------|

**Other Adverse Effects:** None.

## 13) Disposal Considerations

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### Waste Treatment Methods:

|   |   |
|---|---|
| <u>Waste from residues/unused products:</u> | Dispose of in accordance with local regulations. Rinse empty containers with water and use the rinse-water to prepare the working solution. If recycling is not practicable, dispose of in compliance with local regulations. |
| <u>Contaminated packaging:</u>              |   |
| <u>Recycling:</u>                           | Store containers and offer for recycling of material when in accordance with the local regulations.   |

## 14) Transport Information

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### US DOT

Not classified.

### IMDG

Not classified.

### IATA/ICAO

Not classified.

## 15) Regulations

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### Safety, Health & Environmental Regulations/Legislation Specific for the Substance or Mixture:

#### Information on the Product as Supplied:

|   |   |
|---|---|
| <b>US TSCA Chemical Substances Inventory:</b>   | All components of this product are either listed on the inventory or are exempt from listing. |
| <b>SARA Sections 311/312 Hazard Categories:</b> | Not concerned.  |
| <b>RCRA Status:</b>                             | Not RCRA hazardous.   |
| <b>California Proposition 65 Information:</b>   | Not concerned.  |

## 16) Other Information

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### HMIS

Health—0  
Flammability—0  
Reactivity—0  
Personal Protection—determined by user

### NFPA

Health—0  
Flammability—0  
Reactivity—0  
Special—None

Date Issued: Tuesday, February 15, 2022

Reason for Revision: SDS Update

Revised By: Tim Taylor, EHS Director

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