

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Form:** Mixture

**Product Name:** Chemfloc Fe-Al-10

### Intended Use of the Product

Municipal and industrial water and wastewater treatment for the removal of turbidity, color, suspended solids, phosphorus, oil and grease, heavy metals (As, Cu, Hg) and odor.

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

#### **Manufacturer**

CHEMTRADE LOGISTICS INC.

155 Gordon Baker Road

Suite 300

Toronto, Ontario M2H 3N5

For SDS Info: (416) 496-5856

www.chemtradelogistics.com

### Emergency Telephone Number

**Emergency Number :**

Canada: CANUTEC +1-613-996-6666 / US: CHEMTREC +1-800-424-9300

Chemtrade Emergency Contact: (866) 416-4404

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### **Classification (GHS-US)**

Met. Corr. 1 H290

Acute Tox. 4 (Oral) H302

Skin Irrit. 2 H315

Eye Dam. 1 H318

Aquatic Acute 3 H402

Full text of H-phrases: see section 16

### Label Elements

#### **GHS-US Labeling**

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



GHS05



GHS07



GHS08

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

Danger

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

H290 - May be corrosive to metals

H302 - Harmful if swallowed

H315 - Causes skin irritation

H318 - Causes serious eye damage

H402 - Harmful to aquatic life

**Precautionary Statements (GHS-US)** :

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P234 - Keep only in original container.

P264 - Wash hands, forearms and face thoroughly after handling.

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

P273 - Avoid release to the environment.

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

P301+P312 - IF SWALLOWED: Call a POISON CENTER, a doctor 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

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contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P310 - Immediately call a POISON CENTER, a doctor.  
P321 - Specific treatment (see Section 4 on this SDS).  
P330 - Rinse mouth.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P362 - Take off contaminated clothing and wash before reuse.  
P390 - Absorb spillage to prevent material damage.  
P405 - Store locked up.  
P406 - Store in corrosive resistant container with a resistant inner liner.  
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

### Other Hazards

**Other Hazards Not Contributing to the Classification:** May be corrosive to respiratory tract.

### Unknown Acute Toxicity (GHS-US)

43.7 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral, Dermal, Inhalation (Dust/Mist))

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

| Name                                 | Product identifier  | % (w/w)          | Classification (GHS-US)  |
|--------------------------------------|---------------------|------------------|--|
| Water                                | (CAS No) 7732-18-5  | 40 - 70          | Not classified   |
| Sulfuric acid, aluminum salt (3:2) † | (CAS No) 10043-01-3 | 30 - 60          | Met. Corr. 1, H290<br>Eye Dam. 1, H318<br>Aquatic Acute 3, H402                            |
| Sulfuric acid, iron(3+) salt (3:2)*  | (CAS No) 10028-22-5 | 5 - 10           | Met. Corr. 1, H290<br>Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318 |
| Sulfuric acid**                      | (CAS No) 7664-93-9  | < 0.1<br>0.1 - 1 | Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>Carc. 1A, H350<br>Aquatic Acute 3, H402         |

The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]. More than one of the ranges of concentration prescribed by Controlled Products Regulations has been used where necessary, due to varying composition.

\*As  $\text{Fe}_2(\text{SO}_4)_3 \cdot 9\text{H}_2\text{O}$  (Dry Ferric Sulfate)

† As  $\text{Al}_2(\text{SO}_4)_3 \cdot 14\text{H}_2\text{O}$  (Dry Aluminum Sulfate).

\*\* Strong inorganic acid aerosols/mists containing this substance are carcinogenic to humans. However, under conditions of normal use this is not a potential route of exposure, and does not warrant a carcinogenicity classification for the mixture.

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. IF exposed or concerned: Seek medical advice/attention.

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation occurs: Seek medical advice/attention.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 60 minutes. Immediately call a POISON CENTER or doctor/physician.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor/physician if you feel unwell.

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### **Most Important Symptoms and Effects Both Acute and Delayed**

**General:** Harmful if swallowed. Causes sever skin irritation. Causes serious eye damage. May cause respiratory irritation.

**Inhalation:** May cause respiratory irritation. May be corrosive to the respiratory tract.

**Skin Contact:** Causes skin irritation.

**Eye Contact:** Causes serious eye damage.

**Ingestion:** Swallowing a small quantity of this material will result in serious health hazard.

**Chronic Symptoms:** None expected under normal conditions of use.

### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

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

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. A heavy water stream may spread burning liquid.

### **Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Not flammable.

**Explosion Hazard:** Not explosive, but may release flammable/explosive hydrogen gas on contact with some metals.

**Reactivity:** Corrosive to metals. May react violently with alkalis.

### **Advice for Firefighters**

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

**Firefighting Instructions:** Do not allow run-off from fire fighting to enter drains or water sources. Do not breathe fumes from fires or vapors from decomposition.

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

**Hazardous Combustion Products:** Toxic fumes of iron and sulfur oxides.

**Other Information:** May produce explosive hydrogen gas on contact with incompatibilities or upon thermal decomposition.

### **Reference to Other Sections**

Refer to section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

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

#### **For Non-Emergency Personnel**

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

**Emergency Procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate area.

### **Environmental Precautions**

Prevent entry to sewers and public waters.

### **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:** Clear up spills immediately and dispose of waste safely. Cautiously neutralize spilled liquid. Absorb spillage to prevent material damage. Dispose in a safe manner in accordance with local/national regulations. Contact competent authorities after a spill.

### **Reference to Other Sections**

See heading 8, Exposure Controls and Personal Protection.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions for Safe Handling**

**Additional Hazards When Processed:** May be corrosive to metals.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

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### Conditions for Safe Storage, Including Any Incompatibilities

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

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store locked up. Store in original or corrosion resistant container. Store in corrosion proof place.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

**Specific End Use(s)** Municipal and industrial water and wastewater treatment for the removal of turbidity, color, suspended solids, phosphorus, oil and grease, heavy metals (As, Cu, Hg) and odor.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 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), OSHA (PEL), Canadian provincial governments, or the Mexican government.

| Sulfuric acid (7664-93-9) |                                      |  |
|---------------------------|--------------------------------------|--|
| Mexico                    | OEL TWA (mg/m <sup>3</sup> )         | 1 mg/m <sup>3</sup>  |
| USA ACGIH                 | ACGIH TWA (mg/m <sup>3</sup> )       | 0.2 mg/m <sup>3</sup> (thoracic fraction)                                  |
| USA ACGIH                 | ACGIH chemical category              | Suspected Human Carcinogen contained in strong inorganic acid mists        |
| USA OSHA                  | OSHA PEL (TWA) (mg/m <sup>3</sup> )  | 1 mg/m <sup>3</sup>  |
| USA NIOSH                 | NIOSH REL (TWA) (mg/m <sup>3</sup> ) | 1 mg/m <sup>3</sup>  |
| USA IDLH                  | US IDLH (mg/m <sup>3</sup> )         | 15 mg/m <sup>3</sup>   |
| Alberta                   | OEL STEL (mg/m <sup>3</sup> )        | 3 mg/m <sup>3</sup>  |
| Alberta                   | OEL TWA (mg/m <sup>3</sup> )         | 1 mg/m <sup>3</sup>  |
| British Columbia          | OEL TWA (mg/m <sup>3</sup> )         | 0.2 mg/m <sup>3</sup> (Thoracic, contained in strong inorganic acid mists) |
| Manitoba                  | OEL TWA (mg/m <sup>3</sup> )         | 0.2 mg/m <sup>3</sup> (thoracic fraction)                                  |
| New Brunswick             | OEL STEL (mg/m <sup>3</sup> )        | 3 mg/m <sup>3</sup>  |
| New Brunswick             | OEL TWA (mg/m <sup>3</sup> )         | 1 mg/m <sup>3</sup>  |
| Newfoundland & Labrador   | OEL TWA (mg/m <sup>3</sup> )         | 0.2 mg/m <sup>3</sup> (thoracic fraction)                                  |
| Nova Scotia               | OEL TWA (mg/m <sup>3</sup> )         | 0.2 mg/m <sup>3</sup> (thoracic fraction)                                  |
| Nunavut                   | OEL STEL (mg/m <sup>3</sup> )        | 3 mg/m <sup>3</sup>  |
| Nunavut                   | OEL TWA (mg/m <sup>3</sup> )         | 1 mg/m <sup>3</sup>  |
| Northwest Territories     | OEL STEL (mg/m <sup>3</sup> )        | 3 mg/m <sup>3</sup>  |
| Northwest Territories     | OEL TWA (mg/m <sup>3</sup> )         | 1 mg/m <sup>3</sup>  |
| Ontario                   | OEL TWA (mg/m <sup>3</sup> )         | 0.2 mg/m <sup>3</sup> (thoracic)   |
| Prince Edward Island      | OEL TWA (mg/m <sup>3</sup> )         | 0.2 mg/m <sup>3</sup> (thoracic fraction)                                  |
| Québec                    | VECD (mg/m <sup>3</sup> )            | 3 mg/m <sup>3</sup>  |
| Québec                    | VEMP (mg/m <sup>3</sup> )            | 1 mg/m <sup>3</sup>  |
| Saskatchewan              | OEL STEL (mg/m <sup>3</sup> )        | 0.6 mg/m <sup>3</sup> (thoracic fraction)                                  |
| Saskatchewan              | OEL TWA (mg/m <sup>3</sup> )         | 0.2 mg/m <sup>3</sup> (thoracic fraction)                                  |
| Yukon                     | OEL STEL (mg/m <sup>3</sup> )        | 1 mg/m <sup>3</sup>  |
| Yukon                     | OEL TWA (mg/m <sup>3</sup> )         | 1 mg/m <sup>3</sup>  |

### 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. Safety goggles. Protective clothing. Insufficient ventilation: wear respiratory protection.

**Materials for Protective Clothing:** Acid-resistant clothing.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical safety goggles.

**Skin and Body Protection:** Wear suitable protective clothing.

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**Respiratory Protection:** Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

**Consumer Exposure Controls:** Do not eat, drink, or smoke during use.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on Basic Physical and Chemical Properties

|   |  |
|---|--|
| Physical State                                    | : Liquid   |
| Appearance  | : Reddish brown  |
| Odor  | : Not available  |
| Odor Threshold                                    | : Not available  |
| pH  | : < 2  |
| Melting Point                                     | : Not applicable   |
| Freezing Point                                    | : <-10 °C (<14 °F)   |
| Boiling Point                                     | : Not available  |
| Flash Point                                       | : Not applicable   |
| Auto-ignition Temperature                         | : Not applicable   |
| Decomposition Temperature                         | : Not available  |
| Flammability (solid, gas)                         | : Not flammable  |
| Lower Flammable Limit                             | : Not applicable   |
| Upper Flammable Limit                             | : Not applicable   |
| Vapor Pressure                                    | : Not available  |
| Relative Vapor Density at 20 °C                   | : Not available  |
| Relative Density                                  | : Not available  |
| Specific Gravity                                  | : 1.35   |
| Solubility  | : 100%   |
| Partition Coefficient: N-octanol/water            | : Not available  |
| Viscosity   | : Not available  |
| Explosion Data – Sensitivity to Mechanical Impact | : Not expected to present an explosion hazard due to mechanical impact |
| Explosion Data – Sensitivity to Static Discharge  | : Not expected to present an explosion hazard due to static discharge  |

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Corrosive to metals. May react violently with alkalis.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Incompatible materials.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers. Metals. Alkalis.

**Hazardous Decomposition Products:** Corrosive vapors. Sulfur oxides.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects - Product

**Acute Toxicity:** Harmful if swallowed.

**LD50 and LC50 Data:**

|                   |                            |
|-------------------|----------------------------|
| Chemfloc Fe-Al-10 |                            |
| ATE US (oral)     | 1,111.11 mg/kg body weight |

**Skin Corrosion/Irritation:** Causes skin irritation. **pH:** < 2

**Serious Eye Damage/Irritation:** Causes serious eye damage. **pH:** < 2

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not classified

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

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**Specific Target Organ Toxicity (Single Exposure):** May cause respiratory irritation.

**Aspiration Hazard:** Not classified

**Potential Adverse Human Health Effects and Symptoms:** Harmful if swallowed.

**Symptoms/Injuries After Inhalation:** May cause respiratory irritation. May be corrosive to the respiratory tract.

**Symptoms/Injuries After Skin Contact:** Causes skin irritation.

**Symptoms/Injuries After Eye Contact:** Causes serious eye damage.

**Symptoms/Injuries After Ingestion:** Swallowing a small quantity of this material will result in serious health hazard.

**Chronic Symptoms:** None expected under normal conditions of use.

### Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

|  |   |
|--|---|
| <b>Sulfuric acid, iron(3+) salt (3:2) (10028-22-5)</b> |   |
| LD50 Oral Rat  | 500 mg/kg                                     |
| <b>Water (7732-18-5)</b>                               |   |
| LD50 Oral Rat  | > 90000 mg/kg                                 |
| <b>Sulfuric acid (7664-93-9)</b>                       |   |
| LD50 Oral Rat  | 2140 mg/kg                                    |
| LC50 Inhalation Rat (mg/l)                             | 510 mg/m <sup>3</sup> (Exposure time: 2 h)    |
| <b>Sulfuric acid (7664-93-9)</b>                       |   |
| IARC Group   | 1   |
| OSHA Hazard Communication Carcinogen List              | In OSHA Hazard Communication Carcinogen list. |

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

**Ecology - General:** Harmful to aquatic life with long lasting effects.

|                                  |  |
|----------------------------------|--|
| <b>Sulfuric acid (7664-93-9)</b> |  |
| LC50 Fish 1                      | 500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static]) |
| LC 50 Fish 2                     | 42 mg/l (Exposure time: 96 h - Species: Gambusia affinis [static])   |

### Persistence and Degradability

|                               |                  |
|-------------------------------|------------------|
| <b>Chemfloc Fe-Al-10</b>      |                  |
| Persistence and Degradability | Not established. |

### Bioaccumulative Potential

|                           |                  |
|---------------------------|------------------|
| <b>Chemfloc Fe-Al-10</b>  |                  |
| Bioaccumulative Potential | Not established. |

|                                  |                      |
|----------------------------------|----------------------|
| <b>Sulfuric acid (7664-93-9)</b> |                      |
| BCF Fish 1                       | (no bioaccumulation) |

**Mobility in Soil** Not available

### Other Adverse Effects

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

## SECTION 13: DISPOSAL CONSIDERATIONS

**Sewage Disposal Recommendations:** This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 In Accordance with DOT

|                              |  |
|------------------------------|--|
| <b>Proper Shipping Name</b>  | : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CONTAINS ALUMINUM SULFATE, FERRIC SULFATE, SULFURIC ACID) |
| <b>Hazard Class</b>          | : 8  |
| <b>Identification Number</b> | : UN3264   |
| <b>Label Codes</b>           | : 8  |
| <b>Packing Group</b>         | : III  |



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ERG Number : 154

### 14.2 In Accordance with IMDG

Proper Shipping Name : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CONTAINS ALUMINUM SULFATE, FERRIC SULFATE, SULFURIC ACID)

Hazard Class : 8

Identification Number : UN3264

Packing Group : III

Label Codes : 8

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-B

MFAG Number : 154



### 14.3 In Accordance with IATA

Proper Shipping Name : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CONTAINS ALUMINUM SULFATE, FERRIC SULFATE, SULFURIC ACID)

Packing Group : III

Identification Number : UN3264

Hazard Class : 8

Label Codes : 8

ERG Code (IATA) : 8L



### 14.4 In Accordance with TDG

Proper Shipping Name : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CONTAINS ALUMINUM SULFATE, FERRIC SULFATE, SULFURIC ACID)

Packing Group : III

Hazard Class : 8

Identification Number : UN3264

Label Codes : 8



## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

|   |  |
|---|--|
| <b>Chemfloc Fe-Al-10</b>  |  |
| <b>SARA Section 311/312 Hazard Classes</b>                                | Immediate (acute) health hazard  |
| <b>Sulfuric acid, iron(3+) salt (3:2) (10028-22-5)</b>                    |  |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| <b>Water (7732-18-5)</b>  |  |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| <b>Sulfuric acid, aluminum salt (3:2) (10043-01-3)</b>                    |  |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| <b>Sulfuric acid (7664-93-9)</b>  |  |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| Listed on the United States SARA Section 302                              |  |
| Listed on United States SARA Section 313                                  |  |
| <b>SARA Section 302 Threshold Planning Quantity (TPQ)</b>                 | 1000   |
| <b>SARA Section 313 - Emission Reporting</b>                              | 1.0 % (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size) |

### US State Regulations

|  |  |
|--|--|
| <b>Sulfuric acid (7664-93-9)</b>                             |  |
| <b>U.S. - California - Proposition 65 - Carcinogens List</b> | WARNING: This product contains chemicals known to the State of California to cause cancer. |

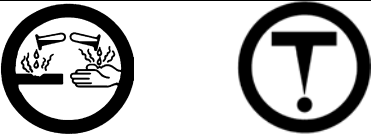
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|  |
|--|
| <b>Sulfuric acid, iron(3+) salt (3:2) (10028-22-5)</b>   |
| U.S. - Massachusetts - Right To Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List<br>U.S. - Pennsylvania - RTK (Right to Know) List |
| <b>Sulfuric acid, aluminum salt (3:2) (10043-01-3)</b>   |
| U.S. - Massachusetts - Right To Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List<br>U.S. - Pennsylvania - RTK (Right to Know) List |
| <b>Sulfuric acid (7664-93-9)</b>   |
| U.S. - Massachusetts - Right To Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List<br>U.S. - Pennsylvania - RTK (Right to Know) List |

### Canadian Regulations

|  |  |
|--|--|
| <b>Chemfloc Fe-Al-10</b>   |  |
| WHMIS Classification   | Class E - Corrosive Material<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects  |
|                                |  |
| <b>Sulfuric acid, iron(3+) salt (3:2) (10028-22-5)</b>   |  |
| Listed on the Canadian DSL (Domestic Substances List)  |  |
| WHMIS Classification   | Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects<br>Class E - Corrosive Material |
| <b>Water (7732-18-5)</b>   |  |
| Listed on the Canadian DSL (Domestic Substances List)  |  |
| WHMIS Classification   | Uncontrolled product according to WHMIS classification criteria  |
| <b>Sulfuric acid, aluminum salt (3:2) (10043-01-3)</b>   |  |
| Listed on the Canadian DSL (Domestic Substances List)  |  |
| WHMIS Classification   | Class E - Corrosive Material   |
| <b>Sulfuric acid (7664-93-9)</b>   |  |
| Listed on the Canadian DSL (Domestic Substances List)<br>Listed on the Canadian IDL (Ingredient Disclosure List) |  |
| IDL Concentration 1 %  |  |
| WHMIS Classification   | Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects<br>Class E - Corrosive Material   |

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

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

**Revision date** : 05/10/15  
**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### GHS Full Text Phrases:

|                     |  |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4                               |
| Aquatic Acute 3     | Hazardous to the aquatic environment - Acute Hazard Category 3 |

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|               |  |
|---------------|--|
| Carc. 1A      | Carcinogenicity Category 1A                  |
| Eye Dam. 1    | Serious eye damage/eye irritation Category 1 |
| Met. Corr. 1  | Corrosive to metals Category 1               |
| Skin Corr. 1A | Skin corrosion/irritation Category 1A        |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2         |
| H290          | May be corrosive to metals                   |
| H302          | Harmful if swallowed                         |
| H314          | Causes severe skin burns and eye damage      |
| H315          | Causes skin irritation                       |
| H318          | Causes serious eye damage                    |
| H350          | May cause cancer                             |
| H402          | Harmful to aquatic life                      |

### Party Responsible for the Preparation of This Document

CHEMTRADE LOGISTICS INC.

For SDS Info: (416) 496-5856

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