



# Safety Data Sheet

## Section 01 - Identification

<b>Product Identifier</b>	ClearFloc NE0055
<b>Other Means of Identification</b>	None
<b>Product Use and Restrictions on Use</b>	Non-ionic flocculant in municipal and industrial wastewater applications.
<b>Initial Supplier Identifier</b>	ClearTech Industries Inc. 1500 Quebec Avenue Saskatoon, SK. Canada S7K 1V7
<b>Prepared By</b>	ClearTech Industries Inc. Technical Writer Phone: 1 (800) 387-7503
<b>24-Hour Emergency Phone</b>	Phone: 1 (306) 664 – 2522

## Section 02 - Hazard Identification

### GHS-Classification

This product has been assessed in accordance with the Hazardous Products Regulations and is not classified as a hazardous substance or mixture.

## Section 03 - Composition / Information on Ingredients

Chemical Name	CAS Number	Weight %	Unique Identifiers
Non-ionic water-soluble polymer in emulsion	Not Available		

## Section 04 - First Aid Measures

<b>Inhalation</b>	If symptoms are experienced, remove victim to fresh air. Seek medical attention if symptoms persist.
<b>Skin Contact / Absorption</b>	Remove contaminated clothing. Rinse skin with soap and water. Seek medical attention if irritation occurs or persists.
<b>Eye Contact</b>	Flush immediately with water for at least 30 minutes. Forcibly hold eyelids apart to ensure complete irrigation of the eye tissue. Seek medical attention if irritation persists.
<b>Ingestion</b>	No adverse effects are expected. If you feel unwell or concerned, seek medical attention.
<b>Additional Information</b>	Not Available

## Section 05 - Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Use extinguishing media appropriate for surrounding fire.
<b>Unsuitable Extinguishing Media</b>	Not Available

**Specific Hazards Arising From the Chemical** Decomposition of product may produce nitrogen oxides and carbon oxides.

**Special Protective Equipment and Precautions for Fire-Fighters** Wear NIOSH-approved self-contained breathing apparatus and protective clothing.

**Further Information** Not Available

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## Section 06 - Accidental Release Measures

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**Personal Precautions / Protective Equipment / Emergency Procedures** Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so.

**Environmental Precautions** Prevent material from entering sewers.

**Methods and Materials for Containment and Cleaning Up** Soak up spills with inert absorbent material and scoop up into closed containers for disposal. Flush with water to remove any residue.

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## Section 07 - Handling and Storage

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**Precautions for Safe Handling** Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

**Conditions for Safe Storage** Store at temperatures 0-35°C. Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

**Incompatibilities** Water and oxidizers.

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## Section 08 - Exposure Controls and Personal Protection

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### Exposure Limit(s)

Component	Regulation	Type of Listing	Value
ClearFloc NE0055	Not Available		

### Engineering Control(s)

**Ventilation Requirements** Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.

**Other** Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.

### Protective Equipment

**Eyes/Face** Chemical safety glasses with side shields should be worn while product is being handled.

**Hand Protection** No specific requirement, but it is good practice to prevent skin contact by wearing impervious gloves of chemical resistance.

**Skin and Body Protection** No specific requirement, but it is good practice to prevent skin contact by wearing body suits, aprons and/or coveralls.

No special footwear is required other than what is mandated at place of work.

**Respiratory Protection** Normally not needed however, in cases of insufficient ventilation, wear suitable respiratory equipment.

**Thermal Hazards** Not Available

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## Section 09 - Physical and Chemical Properties

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### Appearance

Physical State	Liquid
Colour	Milky white
Odour	Aliphatic odour
Odour Threshold	Not Available

### Property

pH	6-8 @ 5g/L
Melting Point/Freezing Point	Not Available
Initial Boiling Point and Boiling Range	Not Available
Flash Point	Does not flash
Evaporation Rate	Not Available
Flammability	Non-flammable
Upper Flammable Limit	Not Available
Lower Flammable Limit	Not Available
Vapour Pressure (mm Hg, 20°C)	0.002
Vapour Density (Air=1)	Not Available
Relative Density	0.68 g/cm <sup>3</sup>
Solubility(ies)	Not Available
Partition Coefficient: n-octanol/water	Not Available
Auto-ignition Temperature	Does not ignite
Decomposition Temperature	Not Available
Viscosity	Not Available
Explosive Properties	Not Available
Specific Gravity (Water=1)	1.03
% Volatiles by Volume	Not Available
Formula	Not Available
Molecular Weight	Not Available

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## Section 10 - Stability and Reactivity

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<b>Reactivity</b>	Not Available
<b>Stability</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	Polymerization will not occur.
<b>Conditions to Avoid</b>	Not Available
<b>Incompatible Materials</b>	Addition of water results in gelling. Contact with oxidizers may cause exothermic reactions.
<b>Hazardous Decomposition Products</b>	Hydrogen chloride gas, oxides of nitrogen and carbon

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## Section 11 - Toxicological Information

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### Acute Toxicity

<b>Component</b>	<b>Oral LD<sub>50</sub></b>	<b>Dermal LD<sub>50</sub></b>	<b>Inhalation LC<sub>50</sub></b>
ClearFloc NE0055	>5000mg/kg (rat)	Not Available	Not Available

### Chronic Toxicity – Carcinogenicity

<b>Component</b>	<b>IARC</b>
ClearFloc NE0055	Not Available

<b>Skin Corrosion/Irritation</b>	May cause irritation with prolonged contact.
<b>Ingestion</b>	No adverse effects expected if ingested.
<b>Inhalation</b>	No adverse effects expected.
<b>Serious Eye Damage/Irritation</b>	May cause irritaiton with prolonged contact.
<b>Respiratory or Skin Sensitization</b>	Non-sensitizing.
<b>Germ Cell Mutagenicity</b>	Not Available
<b>Reproductive Toxicity</b>	Not Available
<b>STOT-Single Exposure</b>	No adverse health effects expected.
<b>STOT-Repeated Exposure</b>	Prolonged skin contact may defat the skin and produce dermatitis.
<b>Aspiration Hazard</b>	Not Available
<b>Synergistic Materials</b>	Not Available

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## Section 12 – Ecological Information

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### Ecotoxicity

<b>Component</b>	<b>Toxicity to Algae</b>	<b>Toxicity to Fish</b>	<b>Toxicity to Daphnia and Other Aquatic Invertebrates</b>
ClearFloc NE0055	IC <sub>50</sub> (Scenedesmus subspicatus, 72hr): >100mg/L	LC <sub>50</sub> (Fish, 96hr): >100mg/L	EC <sub>50</sub> (Daphnia magna, 48hr): >100mg/L

<b>Biodegradability</b>	Not readily biodegradable.
<b>Bioaccumulation</b>	Product does not bioaccumulate.
<b>Mobility</b>	Not Available

**Other Adverse Effects** The product is rapidly eliminated from the aquatic medium through irreversible adsorption onto suspended matter and dissolved organics.

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## Section 13 – Disposal Considerations

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**Waste From Residues/Unused Products** Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

**Contaminated Packaging** Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

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## Section 14 – Transport Information

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**UN Number** Not Regulated

**UN Proper Shipping Name** Not Regulated

**Transport Hazard Class(es)** Not Regulated

**Packaging Group** Not Regulated

**Environmental Hazards** Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.

**Special Precautions** Not Available

**Transport in Bulk** Not Available

### TDG

**Other** Secure containers (full and/or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position.

**TDG PRODUCT CLASSIFICATION:** This product has been classified on the preparation date specified at section 14 of this MSDS / SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and/or published test data regarding the classification of this product are listed in the references at section 16 of this MSDS / SDS.

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## Section 15 – Regulatory Information

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**NOTE: THE PRODUCT LISTED ON THIS SDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS SDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.**

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## Section 16 – Other Information

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**Preparation Date** October 16, 2015

**Note:** The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

### **Attention: Receiver of the chemical goods / SDS coordinator**

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution<sup>®</sup> initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service center.

### **References:**

- 1) CHEMINFO
- 2) eChemPortal

- 3) TOXNET
- 4) Transportation of Dangerous Goods Canada
- 5) HSDB
- 6) ECHA

## **ClearTech Industries Inc. - Locations**

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**24 Hour Emergency Number - All Locations – 1(306) 664-2522**