



# Safety Data Sheet

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## Section 01 - Identification

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<b>Product Identifier</b>	FilterClean IC
<b>Other Means of Identification</b>	None
<b>Product Use and Restrictions on Use</b>	Treatment of filter media in water treatment 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

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## Section 02 - Hazard Identification

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### GHS-Classification

<b>Serious Eye Damage/Irritation</b>	Category 1
<b>Skin Corrosion/Irritation</b>	Category 2
<b>Acute Toxicity-Oral</b>	Category 4
<b>Acute Toxicity-Dermal</b>	Category 4

### Physical Hazards

<b>Corrosive to Metals</b>	Category 1
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### **Danger**

### **Hazards Statements**

H318 – Causes serious eye damage.  
H315 – Causes skin irritation.  
H302 – Harmful if swallowed.  
H312 – Harmful in contact with skin.  
H290 – May be corrosive to metals.

### **Pictograms**



## Precautionary Statements

P234 – Keep only in original container.

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

P301 + P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 – Rinse mouth.

P280 – Wear protective gloves, protective clothing, eye protection, and face protection.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 – If skin irritation occurs: Get medical advice/attention.

P362 – Take off contaminated clothing and wash before reuse.

P310 – Immediately call a POISON CENTER or doctor/physician.

P390 – Absorb spillage to prevent material damage.

P501 – Dispose of contents/container in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act

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## Section 03 - Composition / Information on Ingredients

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Chemical Name	CAS Number	Weight %	Unique Identifiers
Sodium bisulfate	7681-38-1	82.5-97.5%	
Citric acid	77-92-9	1-16%	
Potassium iodide	7681-11-0	1-9.5%	

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## Section 04 - First Aid Measures

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<b>Inhalation</b>	If symptoms are experienced, remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek medical attention if irritation persists.
<b>Skin Contact / Absorption</b>	Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation occurs or persists.
<b>Eye Contact</b>	Immediately flush eye(s) with lukewarm, gently flowing water for 30 minutes while forcibly holding the eyelids open to ensure complete irrigation of the eye tissue. If a contact lens is present, remove only if easy to do so. Seek immediate medical attention.
<b>Ingestion</b>	DO NOT induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. If vomiting occurs, lean victim forward to prevent breathing in vomitus. Seek immediate medical attention.
<b>Additional Information</b>	Not Available

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## Section 05 - Fire Fighting Measures

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<b>Suitable Extinguishing Media</b>	Product does not burn. Use extinguishing media appropriate for material that is supplying the fuel to the fire.
<b>Unsuitable Extinguishing Media</b>	Not Available
<b>Specific Hazards Arising From the Chemical</b>	Not Available
<b>Special Protective Equipment and Precautions for Fire-Fighters</b>	Wear NIOSH-approved self-contained breathing apparatus and protective clothing.
<b>Further Information</b>	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. Flush with water to remove any residue.

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

**Methods and Materials for Containment and Cleaning Up** Sweep or scoop up material and remove. Dispose of spilled material promptly.

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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 in a cool, dry location outdoors or in well-ventilated areas. Keep containers tightly closed and away from incompatible materials. Keep away from heat, sparks and open flames.

**Incompatibilities** Strong bases, oxidizers, chlorine, hypochlorous acid, hypochlorites, cyanides, sulfides.

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## Section 08 - Exposure Controls and Personal Protection

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### Exposure Limit(s)

Component	Regulation	Type of Listing	Value
Potassium iodide	ACGIH	TLV-TWA	0.01ppm

### 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 goggles, full-face shield, or a full-face respirator should be worn at all times when product is handled. Contact lenses should not be worn as they may contribute to severe eye injury.

**Hand Protection** Impervious gloves of chemically resistant material (butyl rubber) should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

**Skin and Body Protection** Body suits, aprons, and/or coveralls of chemical resistant material should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

Impervious boots of chemically resistant material should be worn.

**Respiratory Protection** A filter dust, fume and/or mist filter cartridge is recommended.

**Thermal Hazards** Not Available.

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## Section 09 - Physical and Chemical Properties

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### Appearance

Physical State	Solid, powder
Colour	White
Odour	Odourless
Odour Threshold	Not Applicable

### Property

pH	1 (1% solution)
Melting Point/Freezing Point	Not Available
Initial Boiling Point and Boiling Range	Not Available
Flash Point	Not Applicable
Evaporation Rate	Not Applicable
Flammability	Non-flammable
Upper Flammable Limit	Not Applicable
Lower Flammable Limit	Not Applicable
Vapour Pressure (mm Hg, 20°C)	Not Applicable
Vapour Density (Air=1)	Not Applicable
Relative Density	Not Available
Solubility(ies)	Soluble in water
Partition Coefficient: n-octanol/water	Not Available
Auto-ignition Temperature	Not Applicable
Decomposition Temperature	Not Available
Viscosity	Not Available
Explosive Properties	Not Available
Specific Gravity (Water=1)	>1.285
% 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>	Product is stable.
<b>Possibility of Hazardous Reactions</b>	Polymerization will not occur.
<b>Conditions to Avoid</b>	Not Available
<b>Incompatible Materials</b>	Strong bases, oxidizers, chlorine, hypochlorous acid, hypochlorites, cyanides, sulfides.
<b>Hazardous Decomposition Products</b>	Oxides of Sulphur, oxides of carbon.

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## Section 11 - Toxicological Information

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### Acute Toxicity Estimate

<b>Component</b>	<b>Oral LD<sub>50</sub></b>	<b>Dermal LD<sub>50</sub></b>	<b>Inhalation LC<sub>50</sub></b>
FilterClean IC	2599 mg/kg	Not Available	Not Available

This product has been classified in accordance with the Hazardous Products Regulations using ATE formula documented in the GHS standard.

### Chronic Toxicity – Carcinogenicity

<b>Component</b>	<b>IARC</b>
FilterClean IC	No components listed in this product are considered carcinogenic.

<b>Skin Corrosion/Irritation</b>	High concentrations can cause severe irritation and tissue destruction. Direct contact with liquid causes severe local irritation, blistering, skin defatter and burns.
<b>Ingestion</b>	Symptoms may include severe burns of the mouth, throat and stomach. May also cause sore throat, vomiting and diarrhea.
<b>Inhalation</b>	Symptoms may include irritation of the nose and throat.
<b>Serious Eye Damage/Irritation</b>	Severe eye irritant (blurred vision, redness, pain, and burns to eye tissue).
<b>Respiratory or Skin Sensitization</b>	Not Available
<b>Germ Cell Mutagenicity</b>	Not Available
<b>Reproductive Toxicity</b>	Not Available
<b>STOT-Single Exposure</b>	Not Available
<b>STOT-Repeated Exposure</b>	Not Available
<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>
Sodium bisulfate	Not Available	Not Available	LC <sub>50</sub> (Daphnia magna, 100hr): 105.5mg/L
Citric acid	Not Available	LC <sub>50</sub> (Leuciscus idus)	EC <sub>50</sub> (Daphnia magna, 24hr):

Potassium iodide	Not Available	melanotus, 48hr): 440mg/L LC <sub>50</sub> (Oncorhynchus mykiss, 96hr): 896mg/L	1535mg/L Not Available
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<b>Biodegradability</b>	Not Available
<b>Bioaccumulation</b>	Not Available
<b>Mobility</b>	Not Available
<b>Other Adverse Effects</b>	Not Available

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## Section 13 – Disposal Considerations

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<b>Waste From Residues/Unused Products</b>	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.
<b>Contaminated Packaging</b>	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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<b>UN Number</b>	UN3260	
<b>UN Proper Shipping Name</b>	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Sodium bisulfate)	
<b>Transport Hazard Class(es)</b>	8	
<b>Packaging Group</b>	III	
<b>Environmental Hazards</b>	Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.	
<b>Special Precautions</b>	Not Available	
<b>Transport in Bulk</b>	Not Available	
<b>Additional Information</b>	<u>Packing Group</u>	<u>Limited Quantity Index</u>
	I	0
	II	1 Kg
	III	5 Kg

### 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.**

**NSF Certification**..... Product is certified under NSF for a tank and filter cleaner and as a media cleaner.

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## Section 16 – Other Information

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**Preparation Date** September 23, 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
- 7) PAN

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