



**PRODUCT NAME:** CRYSTAL CLEAR CLARIFIER  
Revision date: 5/16/2013

**SECTION 1 IDENTIFICATION**

**Supplier:** Phoenix Product Company  
55 Container Drive  
Terryville, CT 06786  
(860) 589-7502  
U.S. PERS Emergency Telephone 1-800-633-8253

**Distributor:** ESSENTIALS  
5070 Wallace Drive  
Cumming, GA 30041  
(626) 305-1182

**SECTION 2 HAZARDOUS COMPONENTS**

**This product is non-hazardous.**

<u>Chemical Name</u>	<u>CAS#</u>
Polyquaternary Amine	42751-79-1

OSHA Hazard Classification	This product is not considered to be hazardous under OSHA 29 CFR 1910.1200
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**Routes of Entry:** This product will not exert a significant adverse effect to health from any route of exposure.

**Chemical Interactions:** None known.

<b>HMIS/NFPA:</b>	<u>Health</u>	<u>Flammability</u>	<u>Physical/Instability</u>
HMIS	0	0	0
NFPA	0	0	0

**Signs & Symptoms of Exposure:**

- Ingestion:** Clarifier is not expected to be harmful by ingestion. This product is NSF Approved for potable water applications.
- Inhalation:** No known adverse effects.
- Skin Contact:** Prolonged skin contact may cause irritation.
- Eye Contact:** Prolonged eye contact may cause irritation.
- Medical Conditions Aggravated by Exposure:** Sensitive skin and eyes

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

**CHEMICAL FAMILY:** Organic Cationic Polyelectrolyte

**CHEMICAL NAME:** Polyquaternary Amine

**TRADE NAMES:** Clear Blue

**TYPE OF PRODUCT AND USE:** Water Clarifier

**SECTION 4 FIRST-AID MEASURES**

**Emergency and First Aid Procedures:**

**Ingestion:** If swallowed, do not induce vomiting. Give victim a glass of water. Consult a physician.

**Inhalation:** Not expected to be harmful. Remove patient to fresh air environment.

**Skin Contact:** Immediately flush with soap and water for at least 15 minutes.

**Eye Contact:** Flush with water for at least 15 minutes with eyelids open. Consult a physician.

**SECTION 5 FIRE FIGHTING MEASURES**

**FIRE AND EXPLOSION HAZARD DATA**

**Flash Point (SFCC):** 200°F

**Flammable Limits:**

LEL: N/A

UEL: N/A

**Extinguishing Media:** Carbon dioxide, dry chemicals

**Special Fire-fighting Procedures:** A self-contained breathing apparatus should be worn by fire fighting personnel

**Unusual Fire and Explosion Hazards:** None

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**Steps to Be Taken In Case Material Is Spilled or Released:** Avoid runoff into storm sewers and surface waterways. Dike and absorb spill with inert materials such as sand or sweeping compound. Dispose of waste material in accordance with federal, state, local or other applicable laws and regulations. Empty container should not be reused until commercially cleaned.

**SECTION 7 HANDLING AND STORAGE**

**Precautions to Be Taken in Handling and Storage:**

Keep container closed when not in use. Do not allow freezing.

**Handling:** Do not take internally. Avoid contact with skin, eyes and clothing.

If in eyes or on skin, rinse well with water. Avoid breathing vapors, mist or gas.

**Storage:** Store in a cool, dry and well ventilated place. Isolate from incompatible materials. Do not store at temperatures below: 40°F (4.4 °C).

**Incompatible Materials for Storage:** Refer to Section 10, "Incompatible Materials."

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Respiratory Protection:** None required when ventilation is acceptable.

**Ventilation:**

**Local Exhaust:** Work area should be well ventilated.

**Special:** None required

**Mechanical Exhaust:** No special requirements.

**Other Protective Clothing or Equipment:** Impervious rubber gloves, chemical splash goggles.

**Work/ Hygienic Practices:** Eye wash fountains and safety showers in the work area are strongly recommended.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: 100°C (212°F)

Vapor Pressure (mm Hg): N/A

Vapor Density (Air=1): N/A

Solubility in Water: Completely soluble

Appearance and odor: Clear blue solution, Slight Odor

Specific Gravity (H<sub>2</sub>O=1): 1.08 +/- 0.01

Percent volatile by volume: No data available

Melting Point: -5°C

Evaporation Rate: <1

Viscosity: 8000-13,000 cps

pH (neat): 5.0 – 7.0

**SECTION 10 STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to Avoid:** None

**Incompatibility:** Oxidizing agents.

**Hazardous Decomposition or By-Products:** Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Hydrogen chloride.

**Hazardous Polymerization:** Will Not Occur

**Polymerization Hazardous Products:** None identified

**SECTION 11 TOXICOLOGICAL INFORMATION**

**Acute Toxicity:** NA

**Target Organ Toxicity:** NA

**Reproductive and Development Toxicity:** NA

**Carcinogenicity:** NA

**Mutagenicity:** NA



There is no data indicating any particular target organs.

## SAFETY DATA SHEET

### SECTION 12 **ECOLOGICAL INFORMATION**

Aquatic Toxicity:  
Avian Toxicity:

This product is toxic to fish and aquatic organisms. This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water board or Regional Office of the EPA.

### SECTION 13 **DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Dispose of in approved landfill according to federal, state, and local regulations.

### SECTION 14 **TRANSPORTATION DATA**

DOT Proper Shipping Name: Chemicals, N.O.S. (Non-Regulated) (Domestic & International)

Land (US DOT) Not Regulated. Not regulated as a DOT Hazardous Material.

Water (IMDG) Not regulated as a hazardous Material.

Marine Pollutant: No

### SECTION 15 **REGULATORY INFORMATION**

Toxic Substances Control Act (TSCA): All component(s) composing this product are either exempt or listed on the TSCA inventory

### SECTION 16 **ADDITIONAL INFORMATION**

No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose or any other nature are made hereunder with respect to information or the product to which information refers.

END OF MATERIAL SAFETY DATA SHEET



Revision - 6/15/2013

SAFETY DATA SHEET