

Product ST-5110  
 Revision Date 07/07/2015  
 Revision 1



## Safety Data Sheet

### SECTION 1: IDENTIFICATION

<b>Product Name</b>	<b>ST-5110</b>
<b>Identifier Uses</b>	Cleaning Compound
<b>Supplier</b>	Clear Water Technologies, LLC 13560 Colombar Court Fontana, California 92337 Tel: 844-429-8324
<b>Contact Person</b>	<a href="mailto:info@clearwatertech.com">info@clearwatertech.com</a>
<b>Emergency Telephone</b>	24-HOUR EMERGENCY TELEPHONE: INFOTRAC: 1-800-535-5053 INTERNATIONAL#: 1-352-323-3500

### SECTION 2: HAZARDS IDENTIFICATION

<b>Appearance</b>	Granules.
<b>Color</b>	Clear.
<b>Odor</b>	Odorless.
<b>Pictogram(s)</b>	
<b>Signal Word</b>	Warning
<b>Hazard Statements</b>	H319 Causes serious eye irritation.
<b>Precautionary Statements</b>	P264 Wash hands thoroughly after handling. P280 Wear protective gloves/ protective clothing/eye protection/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. P337 + P313 If eye irritation persists: Get medical advice/attention
<b>Contains</b>	Not Applicable
<b>GHS Classification</b>	
<b>Physical and Chemical Hazards</b>	Not classified
<b>Human Health</b>	Eye Irrit.2A - H319
<b>Environment</b>	Not classified
<b>OSHA Regulatory Status</b>	No Information Available
<b>Inhalation</b>	Inhalation of product vapors or fumes may cause irritation to mucous membranes and respiratory tract. Symptoms of exposure may include nasal irritation, coughing and wheezing.
<b>Ingestion</b>	Exposure to granule product is not expected to result in significant adverse effects.
<b>Skin contact</b>	Exposure to granules may cause moderate irritation to skin. Symptoms of exposure may include redness, swelling or pain.
<b>Eye contact</b>	Exposure to granules may cause moderate to severe irritation to eyes. Symptoms of exposure may include redness, swelling, tearing or pain.
<b>Routes of Exposure</b>	No Information available.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS****Composition Comments**

Confidential business information has been removed without affecting the overall safety information on the safety data sheet.

**SECTION 4: FIRST AID MEASURES**Description of first aid measures**General Information**

General first aid, rest, warmth and fresh air.

**Inhalation**

If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. Seek medical attention if symptoms persist.

**Ingestion**

If this product is ingested, give the exposed person plenty of water and seek medical attention promptly. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**Skin contact**

If this product contacts the skin, immediately flush the affected area with soap and water for at least fifteen (15) minutes. If the product penetrates the clothing, promptly remove the contaminated clothing or shoes, and flush the affected area as described. Seek medical attention if irritation persists.

**Eye contact**

If this product contacts the eyes, immediately flush eyes with plenty of clean running water for at least fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Remove contact lenses if worn. Seek medical attention if irritation persists.

Most important symptoms and effects, both acute and delayed**General Information**

No information available

**Inhalation**

Inhalation of product vapors or fumes may cause irritation to mucous membranes and respiratory tract. Symptoms of exposure may include nasal irritation, coughing and wheezing.

**Ingestion**

Exposure to granule product is not expected to result in significant adverse effects.

**Skin contact**

Exposure to granules may cause moderate irritation to skin. Symptoms of exposure may include redness, swelling or pain.

**Eye contact**

Exposure to granules may cause moderate to severe irritation to eyes. Symptoms of exposure may include redness, swelling, tearing or pain.

**Routes of Exposure**

No Information available.

Most important symptoms and effects, both acute and delayed**Notes to the Physician**

Treat Symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****Auto Ignition Temperature (°C)**

No Information available.

**Flammability Limit-Lower (%)**

No Information available.

**Flammability Limit-Upper (%)**

No Information available.

**Flashpoint**

No Information available.

**Extinguishing Media**

Use water, foam, dry chemical or carbon dioxide to extinguish fire.

**Hazardous combustion products**

Oxides of carbon.

**Unusual Fire & Explosion Hazards**

Dense, irritating smoke may be emitted during a fire.

**Special Fire Fighting Procedures**

Use water to cool containers exposed to a fire.

**Protective equipment for fire-fighters**

Fire fighters should wear full protective equipment, and have self-contained breathing apparatus available.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****Personal Precautions**

Use proper personal protection (refer to Section 8).

**Environmental Precautions**

Run off from fire control or dilution water may cause pollution. Keep out of drains, municipal sewers, open bodies of water and water course.

**Spill Clean Up Methods**

Safely stop source of spill. Clean up spills immediately. Restrict non-essential personnel from the area. Wear protective clothing, goggles and respirator if ventilation is not adequate. For small spills, neutralize with soda ash and flush to sewer. For large spills, dike spill area and soak up material with sand or other absorbent. Place into chemical waste container for disposal according to local, state or federal regulations. Neutralize residue with lime or soda ash and flush spill area.

**SECTION 7: HANDLING AND STORAGE**

<b>Handling</b>	Use proper personal protection when handling (refer to Section 8). Use under well-ventilated conditions. Avoid contact with eyes, skin and clothing. Avoid breathing vapors and mists. Avoid prolonged or repeated contact. Do NOT ingest. Wash thoroughly after handling. Rinse container before disposal.
<b>Usage Description</b>	Use only according to directions.
<b>Storage Precautions</b>	Keep container tightly closed. Do not store in heat or direct sunlight. Keep in dry, cool, and well ventilated place. The recommended storage temperature is 34°F to 129 °F, preferably at room temperature 70°F the recommended storage temperature is above 32°F, preferably at room temperature (70°F).
<b>Specific End Use(s)</b>	The identified uses are in section 1 of this Safety Data Sheet.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****Protective Equipment****Ingredient Comments**

No occupational exposure limits noted for the ingredients(s).

**Process Conditions**  
**Engineering Measures**  
**Respiratory Equipment**

Keep container tightly sealed when not in use. Provide eyewash, quick drench. General mechanical ventilation is recommended for enclosed areas. Use of respirator protection is not generally required. However, if exposure is above the stated limits or ventilation is inadequate, use a NIOSH approved acid gas/organic vapor respirator to reduce potential for inhalation exposure. When using respirator cartridges, they must be changed frequently to assure breakthrough exposure does not occur.

**Hand Protection**  
**Eye Protection**

Use rubber or plastic gloves to minimize skin contact. To avoid contact with eyes, use safety glasses or chemical splash goggles. Face shield is recommended. Eye wash station should be available in the work area.

**Hygiene Measures**

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****Information on Basic Physical and Chemical Properties**

<b>Appearance</b>	Granules.
<b>Color</b>	Clear.
<b>Odor</b>	Odorless.
<b>Odor Threshold -Lower</b>	No Information available.
<b>Odor Threshold - Upper</b>	No Information available.
<b>pH-Value, Conc. Solution</b>	2.5
<b>Melting point</b>	59.0 °F
<b>Initial boiling point and boiling range</b>	212.0 °F
<b>Flashpoint</b>	No Information available.
<b>Evaporation rate</b>	No Information available.
<b>Flammability State</b>	No Information available.
<b>Flammability Limit - Lower (%)</b>	No Information available.

<b>Flammability Limit - Upper (%)</b>	No Information available.
<b>Vapor pressure</b>	No Information available.
<b>Vapor Density (air=1)</b>	No Information available.
<b>Relative density</b>	1.26 @ 68.0 °F
<b>Bulk Density</b>	No Information available.
<b>Solubility</b>	Completely soluble in water.
<b>Decomposition temperature</b>	No Information available.
<b>Partition coefficient; n-octanol/water</b>	No Information available.
<b>Auto Ignition Temperature (°C)</b>	No Information available.
<b>Viscosity</b>	No Information available.
<b>Explosive Properties</b>	No information available.
<b>Oxidizing Properties</b>	No Information available.
<b>Molecular Weight</b>	No Information available
<b>Volatile Organic Compound</b>	No Information available

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## SECTION 10: STABILITY AND REACTIVITY

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<b>Reactivity</b>	Reactions may occur with strong oxidizers, strong reducing agents, chlorine releasers, sulfides, sulfites, cyanides, caustics/alkalis, copper, aluminum, magnesium and zinc.
<b>Stability</b>	This product is stable at ambient temperatures and atmospheric pressures.
<b>Hazardous Polymerization</b>	Hazardous polymerization is not expected to occur under normal temperatures and pressures.
<b>Hazardous Decomposition Products</b>	Oxides of carbon.
<b>Conditions to Avoid</b>	Avoid contact with strong oxidizers, strong reducing agents, chlorine releasers, sulfides, sulfites, cyanides, caustics/alkalis, copper, aluminum, magnesium and zinc.
<b>Materials to Avoid</b>	Keep away from strong oxidizers, strong reducing agents, chlorine releasers, sulfides, sulfites, cyanides, caustics/alkalis, copper, aluminum, magnesium and zinc.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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<b>Toxicological Information</b>	No toxicological information for the overall finished product.
<b>Acute Toxicity (Oral LD50)</b>	No Information available.
<b>Acute Toxicity (Dermal LD50)</b>	No Information available.
<b>Acute Toxicity (Inhalation LC50)</b>	No Information available.
<b>Skin Corrosion/Irritation</b>	No Information available.
<b>Respiratory Sensitization</b>	No Information available.
<b>Skin Sensitization</b>	No Information available.
<b>Reproductive Toxicity:</b>	No Information available.
<b>Germ Cell Mutagenicity:</b>	
<b>Genotoxicity - In Vitro</b>	
<b>Genotoxicity - In Vivo</b>	
<b>Carcinogenicity:</b>	
<b>Carcinogenicity</b>	No Information available.
<b>NTP - Carcinogenicity</b>	The product and its components are not listed.
<b>OSHA - Carcinogenicity</b>	The product and its components are not listed.
<b>IARC Carcinogenicity</b>	The product and its components are not listed.

**Specific Target Organ Toxicity - Single Exposure:****STOT - Single Exposure** No Information available.**Specific Target Organ Toxicity - Repeated Exposure:****STOT - Repeated Exposure** No Information available.

Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
citric acid	3000mg/kg Rat	0	0

**SECTION 12: ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	No Information available.
<b>Acute Toxicity - Fish</b>	No Information available.
<b>Acute Toxicity - Aquatic Invertebrates</b>	No Information available.
<b>Acute Toxicity - Aquatic Plants</b>	No Information available.
<b>Degradability</b>	No information available.
<b>Bioaccumulative Potential</b>	No data available on bioaccumulation.
<b>Mobility</b>	No information available
<b>Results of PBT and vPvB Assessment</b>	No information available.
<b>Other Adverse Effects</b>	No information available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

<b>Waste Management</b>	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
<b>Disposal Methods</b>	Do NOT dump into any sewers, on the ground or into any body of water. Rinse containers before disposal. Since emptied containers contain product residue, follow label warnings even after container is emptied. Dispose in accordance with all applicable federal, state and local laws and regulations.

**SECTION 14: TRANSPORT INFORMATION**

<b>UN No. (DOT/TDG)</b>	Not applicable.
<b>UN No. (IMDG)</b>	Not applicable.
<b>UN No. (ICAO)</b>	Not applicable.
<b>DOT Proper Shipping Name</b>	Not applicable.
<b>TDG Proper Shipping Name</b>	Not applicable.
<b>DOT Hazard Class</b>	Not applicable.
<b>DOT Hazard Label</b>	Not applicable.
<b>TDG Class</b>	Not applicable.
<b>TDG Label(s)</b>	Not applicable.
<b>IMDG Class</b>	Not applicable.
<b>ICAO Class</b>	Not applicable.
<b>Transport Labels</b>	
<b>DOT Pack Group</b>	Not applicable.

<b>IMDG Pack Group</b>	Not applicable.
<b>Air Pack Group</b>	Not applicable.
<b>EMS</b>	Not applicable.
<b>Environmentally Hazardous Substance/Marine Pollutant</b>	No

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**SECTION 15: REGULATORY INFORMATION**

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US Federal Regulations**SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

The Following ingredients are listed      None Listed.

**CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**

The Following ingredients are listed      None Listed.

**SARA Extremely Hazardous Substances EPCRA Reportable Quantities**

The Following ingredients are listed      None Listed.

**SARA 313 Emission Reporting**

The Following ingredients are listed      None Listed.

**CAA Accidental Release Prevention**

The Following ingredients are listed      None Listed.

**OSHA Highly Hazardous Chemicals**

The Following ingredients are listed      None Listed.

US State Regulations**California Proposition 65 Carcinogens and Reproductive Toxins**

The Following ingredients are listed      None Listed.

**California Air Toxics "Hot Spots" (A-I)**

The Following ingredients are listed      None Listed.

**California Air Toxics "Hot Spots" (A-Ii)**

The Following ingredients are listed      None Listed.

**Massachusetts "Right To Know" List**

The Following ingredients are listed      None Listed.

**Rhode Island "Right To Know" List**

The Following ingredients are listed      None Listed.

**Minnesota "Right To Know" List**

The Following ingredients are listed      None Listed.

**New Jersey "Right To Know" List**

The Following ingredients are listed      None Listed.

**Pennsylvania "Right To Know" List**

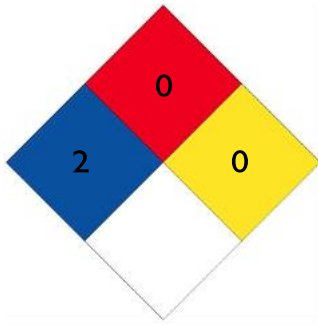
The Following ingredients are listed      None Listed.

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**SECTION 16: OTHER INFORMATION**

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**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)**



**HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

Health	2
Flammability	0
Physical Hazard	0
Personal Protection	B

**Revision Comments**

**Revision Date**

07/07/2015

**Revision**

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**Disclaimer**

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