

## 1. IDENTIFICATION:

**Product Name:** TOTAL JAW (JUST ADD WATER) CHLORINE BUFFER  
**Synonyms:** N/A  
**CAS Number:** Mixture  
**Catalog Numbers:** 09952 09954 09956 25012 09956T 09992  
**Product Use:** Analytical / Laboratory Reagent  
**Manufacturer:** HF Scientific, Inc  
**Address:** 3170 Metro Parkway Fort Myers, FL 33916

**General Information:** 888-203-7248  
**Transportation Emergency Number:** CHEMTREC® 24 hr US 800-424-9300  
 CHEMTREC® 24 hr International 703-527-3887

## 2. HAZARDS IDENTIFICATION

### GHS Classification

| Health   | Environmental          | Physical      |
|--|------------------------|---------------|
| Acute toxicity: Category 5<br>Skin irritation: Category 3<br>Eye irritation: Category 2B | Aquatic toxicity: None | Flammable: No |

### GHS Label

| Pictogram: None   | Signal Word: WARNING   |
|---|--|
| <b>Hazard Statements:</b><br>May be harmful in contact with skin<br>May be harmful if inhaled<br>Causes mild skin irritation<br>Causes eye irritation | <b>Precautionary Statements</b><br>IF INHALED remove person from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.<br>IF IN EYES flush eyes with plenty of water for at least 15 minutes. Get medical aid. |

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component                              | Cas Number | Weight % |
|--|------------|----------|
| Trisodium citrate salt                 | 68-04-02   | 66%      |
| Potassium iodide                       | 7681-11-0  | 30%      |
| Ethylenediaminetetraacetic acid (EDTA) | 6381-92-6  | 4%       |

## 4. FIRST AID MEASURES

**Eye Contact:** Flush Eyes with Plenty of Water for at Least 15 Minutes. Get Medical Aid  
**Skin Contact:** Flush Skin with Water for at Least 15 Minutes While Removing Contaminated Clothing and Shoes  
**Inhalation:** Remove from Exposure and Move to Fresh Air Immediately. If Not Breathing, Give Artificial Respiration. If Breathing is Difficult, Give Oxygen. Get Medical Aid if Cough or Other Symptoms Appear.  
**Ingestion:** Never Give Anything by Mouth to an Unconscious Person. Get Medical Aid. Do NOT Induce Vomiting. If Conscious and Alert, Rinse Mouth and Give Milk or Water.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water Spray, Dry Chemical, Carbon Dioxide, or Foam  
**Fire Fighting Procedures:** N/A  
**Unusual Fire and Exposure Hazards:** N/A  
**Combustion Products:** N/A  
**NFPA Classification** HEALTH: 2 FLAMMABLE: 1 REACTIVITY: 0

## 6. ACCIDENTAL RELEASE MEASURES

Clean Up Spills Immediately Wearing Appropriate Personal Protective Equipment. Sweep Up and Place into a Container for Disposal. Avoid Generating Dusty Conditions. Provide Ventilation.

## 7. HANDLING AND STORAGE

**Handling:** Wash Thoroughly After Handling. Remove Contaminated Clothing and Wash Before Reuse. Use in Adequate Ventilation. Minimize Dust Generation and Accumulation. Avoid Contact with Eyes, Skin, and Clothing. Avoid Ingestion and Inhalation.  
**Storage:** Keep Container Tightly Closed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:** N/A  
**Engineering Controls:** Ventilation to Keep Airborne Concentrations Low  
**Personal Protective Equipment:**  
**Eyes:** Safety glasses  
**Skin:** Latex or nitrile gloves and Lab coat  
**Respiratory:** Dust mask

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Flashpoint:** N/A  
**Autoignition Temperature:** N/A  
**Boiling Point:** N/A  
**Melting Point:** N/A  
**Vapor Pressure:** N/A

**Vapor Density:** N/A  
**% Solubility in Water:** N/A

**Pour Point:** N/A  
**Molecular Formula:** Mixture  
**Odor / Appearance:** white, odorless solid

**Lower Flammability Limit:** N/A  
**Upper Flammability Limit:** N/A  
**Specific Gravity:** N/A  
**% Volatile:** N/A  
**Evaporation Rate (Water=1):** N/A  
**Viscosity:** N/A  
**Octanol / Water Partition Coefficient:** N/A  
**pH:** 6-7  
**Molecular Weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Stability / Incompatibility:** Stable at Room Temperature in Closed Containers Under Normal Storage and Handling Conditions.  
**Hazardous Reactions / Decomposition Products:** N/A

## 11. TOXICOLOGICAL INFORMATION

**Symptoms of Overexposure:** May Cause Eye, Skin, or Respiratory Tract Irritation  
**Acute Effects:** May Cause Eye, Skin, or Respiratory Tract Irritation  
**Eye Contact:** Eye irritation  
**Skin Contact:** Skin irritation  
**Inhalation:** Respiratory tract irritation  
**Ingestion:** N/A  
**Target Organs Effects:** N/A  
**Chronic Effects:** N/A  
**Medical Conditions Aggravated by Exposure:** Pre-Existing Eye, Skin, or Respiratory Disorders  
**Acute Toxicity Values:** N/A

## 12. ECOLOGICAL INFORMATION

No Ecological Data Available

## 13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with Federal, State and Local Regulations.

## 14. TRANSPORT INFORMATION

**US DOT (United States Department of Transportation):** Not regulated  
**IATA (International Air Transport Association):** Not regulated  
**IMO (International Maritime Organization):** Not regulated

## 15. REGULATORY INFORMATION

**CERCLA:** No  
**SARA/Title III:** Listed  
**TSCA Inventory:** Listed  
**Cal. Proposition 65:** Listed  
**WHMIS:** No  
**DSL:** No  
**NDSL:** No

## 16. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.