

# Material Safety Data Sheet

## 1. PRODUCT IDENTIFICATION: Free JAW (Just Add Water) Chlorine Buffer

Catalog Number-HF scientific: 09951H 09953H 09955H 25005H

PRODUCT USE: Analytical / Laboratory Reagent

NFPA RATINGS: HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0

## 2. HAZARDS IDENTIFICATION

TARGET ORGANS: Eyes, Skin, Respiratory Tract  
 ACUTE TOXICITY: May Cause Eye, Skin, or Respiratory Tract Irritation  
 CHRONIC TOXICITY: None Listed  
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-Existing Eye, Skin, or Respiratory Disorders

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component		Percent
Trisodium Citrate Salt		
CAS No.	68-04-2	95%
Ethylenediaminetetraacetic Acid (EDTA)		
CAS No.	6381-92-6	5%

## 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

FLASH POINT: NA AUTOIGNITION POINT: NA  
 FLAMMABILITY LIMITS: UPPER: NA LOWER: NA  
 EXTINGUISHING MEDIA: Water Spray, Dry Chemical, Carbon Dioxide, or Foam

## 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. Keep Container Tightly Closed. Avoid Ingestion and Inhalation.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS  
 Use Adequate Ventilation to Keep Airborne Concentrations Low  
 ACGIH: Trisodium Citrate Salt- None Listed  
 EDTA-None Listed  
 OSHA PELs: Trisodium Citrate Salt- None Listed  
 EDTA-None Listed  
 NIOSH: Trisodium Citrate Salt- None Listed  
 EDTA-None Listed

PERSONAL PROTECTIVE EQUIPMENT: Safety Glasses, Latex or Nitrile Gloves, Lab Coat, Dust Mask

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid  
 APPEARANCE: WHITE  
 ODOR: Odorless  
 pH: 6-7  
 BOILING POINT: Decomposes  
 DECOMPOSITION TEMPERATURE: >252°C  
 SOLUBILITY: Soluble in Water

## 10. STABILITY AND REACTIVITY

Stable at Room Temperature in Closed Containers Under Normal Storage and Handling Conditions.

## 11. TOXICOLOGICAL INFORMATION

Route of Exposure: Eyes, Skin, Inhalation, Ingestion  
 Teratogen Status: None Listed  
 Mutagen Status: None Listed  
 Reproductive Toxicity: None Listed  
 Carcinogen Status: None Listed

## 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

Not Regulated

## 15. REGULATORY INFORMATION

EUROPEAN INFORMATION:

RISK PHRASES: R 36/38 Irritating to Eyes and Skin  
 SAFETY PHRASES: S 26 In Case of Contact with Eyes, Rinse Immediately with Plenty of Water and Seek Medical Advice. S37/39 Wear Suitable Gloves and Eye/Face Protection

US / CANADA INFORMATION:

SARA/Title III: None Listed  
 Cal. Proposition 65: None Listed  
 US TSCA Inventory: Listed

## 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.