



3170 Metro Parkway
Ft. Myers, FL 33916 USA
Telephone: 888-203-7248
CHEMTREC® 24 hr Emergency: US 800-424-9300;
CHEMTREC® 24 hr Emergency: International 703-527-3887

Material Safety Data Sheet

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

Catalog Number-HF scientific: 09951 09953 09955 25005

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	Trisodium Citrate Salt	Percent
CAS No.	68-04-2	95%

Component	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

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

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.