

Material Safety Data Sheet

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

Catalog Number-HF scientific: 09952H 09954H 09956H 25012H

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.	Confidential	>60%

Component	Potassium Iodide	
CAS No.	7681-11-0	<40%

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

SOLUBILITY: Soluble in Water
 pH: 6-7

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: Potassium Iodide Listed as Mutagenic for Mammalian Somatic Cells
 Reproductive Toxicity: Potassium Iodide Classified Reproductive System/toxin/female
 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.