

**CHEMetrics, Inc.**  
**4295 Catlett Rd., Calverton, VA 20138**  
**(800) 356-3072 (540) 788-9026**  
**Fax (540) 788-4856 E-mail technical@chemetrics.com**

**24 Hour Emergency Numbers: (703) 590-9204**  
**(540) 439-3860**  
**Creation Date: 06/25/86 (1227-9)**  
**Revision Date: 07/22/04**

## MATERIAL SAFETY DATA SHEET

### I. CHEMICAL IDENTIFICATION

TRADE NAME: CHLORINE & HYDROGEN PEROXIDE ACTIVATOR SOLUTION

CATALOG NOS.: A-2500 and A-2500V

DESCRIPTION: An accessory solution used in conjunction with reagent ampoules in the determination of total chlorine or hydrogen peroxide in water. Each bottle contains approximately 10 mL of accessory solution.

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

### II. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT: Potassium Iodide  
CAS NO.: 7681-11-0 PERCENT: <15.0

COMPONENT: Deionized Water  
CAS NO.: 7732-18-5 PERCENT: >85.0

### III. HAZARDS IDENTIFICATION

ACUTE TOXICITY: Irritation, nausea, diarrhea  
CHRONIC TOXICITY: Irritation, iodism  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pregnancy- Chronic ingestion during pregnancy can cause fetal harm or death.

### IV. FIRST AID MEASURES

EYE AND SKIN CONTACT: Immediately flush eyes and skin with water for 15 minutes.  
INGESTION: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Seek medical attention.  
INHALATION: Remove individual to fresh air.

### V. FIRE FIGHTING MEASURES

FLASH POINT: N/A AUTOIGNITION POINT: N/A  
FLAMMABILITY LIMITS: UPPER: N/A LOWER: N/A  
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray or foam

### VI. ACCIDENTAL RELEASE MEASURES

Take up with absorbent material. Place in small containers for disposal.

### VII. HANDLING AND STORAGE

If this product is used as directed, the user will not come in contact with or be exposed to any of its chemical components.  
Wash thoroughly after handling. Avoid contact with eyes.  
Product should be stored in the dark and at room temperature; however, temperatures up to 120°F or even below freezing will not normally affect reagent performance.

### VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PEL & ACGIH TLV: None established  
PROTECTIVE EQUIPMENT: Safety glasses.

### IX. PHYSICAL AND CHEMICAL PROPERTIES

STATE: Liquid APPEARANCE: Colorless ODOR: None  
SOLUBILITY IN WATER: Miscible pH: 11  
BOILING POINT: 100°C MELTING POINT: < 0°C  
VAPOR PRESSURE: Not determined SPECIFIC GRAVITY: > 1  
VAPOR DENSITY: Not determined

### X. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition oxides of potassium and iodine are emitted.  
Stable under normal conditions.

### XI. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: None  
No other data available at this time.

### XII. ECOLOGICAL INFORMATION

No data available.

### XIII. DISPOSAL CONSIDERATIONS

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

### XIV. TRANSPORT INFORMATION

Not regulated.

### XV. REGULATORY INFORMATION

EUROPEAN INFORMATION:  
N/A  
CANADA INFORMATION:  
WHMIS Classification: D2B  
All chemical components of this product are listed on Canada's DSL list.  
U.S. INFORMATION:  
All chemical components of this product are listed on the TSCA Inventory.

### XVI. 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.