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## MATERIAL SAFETY DATA SHEET

### I. CHEMICAL IDENTIFICATION

TRADE NAME: ZINC INDICATOR SOLUTION

CATALOG NO.: A-9900

DESCRIPTION: An accessory solution used in conjunction with reagent ampoules in the determination of zinc in water. Each bottle contains approximately 20 mL of accessory solution.

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

### II. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT: Zincon, Monosodium Salt  
 CAS NO.: 62625-22-3 PERCENT: < 0.5

COMPONENT: Ethylene Glycol  
 CAS NO.: 107-21-1 PERCENT: >99.0

### III. HAZARDS IDENTIFICATION

Harmful if swallowed.

ACUTE TOXICITY: Irritation, coughing, headache, nausea, vomiting, CNS and kidney effects

CHRONIC TOXICITY: CNS effects

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: No data available.

### 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: 111°C (closed cup) AUTOIGNITION POINT: 398°C  
 FLAMMABILITY LIMITS: UPPER: 15.3% LOWER: 3.2%  
 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.

This product has a limited shelf life. Product should not be used after date specified on bottle.

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

ACGIH TLV: C 100 ppm Ethylene Glycol (aerosol)

PROTECTIVE EQUIPMENT: Safety glasses.

### IX. PHYSICAL AND CHEMICAL PROPERTIES

STATE: Liquid APPEARANCE: Deep Red/Purple ODOR: None

SOLUBILITY IN WATER: Miscible pH: 5.8

BOILING POINT: 197°C MELTING POINT: -13°C

VAPOR PRESSURE: 0.05 mm Hg @ 20°C (Ethylene Glycol)

SPECIFIC GRAVITY: 1.1 VAPOR DENSITY: 2.14 (Ethylene Glycol)

### X. STABILITY AND REACTIVITY

INCOMPATIBILITIES: Strong oxidants, strong bases  
 HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition, oxides of carbon, nitrogen and sulfur may be emitted.  
 Stable under normal conditions.

### XI. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: None

No other data available at this time.

### XII. ECOLOGICAL INFORMATION

Ethylene glycol biodegrades rapidly, may leach to ground water, and is not expected to bioconcentrate.

No other data available at this time.

### 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:

EU Symbols: Xn - HARMFUL

Risk Phrases: Harmful if swallowed.

Safety Phrases: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

CANADA INFORMATION:

WHMIS Classification: D2A

All chemical components of this product are listed on Canada's DSL list.

U.S. INFORMATION:

This product contains ethylene glycol which is subject to SARA Section 313 reporting requirements.

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.