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Creation Date: 02/25/03 (2844-1)
Revision Date:

MATERIAL SAFETY DATA SHEET

I. CHEMICAL IDENTIFICATION

TRADE NAMES: OZONE 2 Vacu-vials®

CATALOG NOS.: R-7413

DESCRIPTION: Reagent ampoules for the determination of ozone in water. Each Vacu-vial® contains approximately 2 mL of reagent sealed under vacuum.

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

II. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT: Indigo Trisulfonate Potassium Salt
 CAS NO.: 67627-18-3 PERCENT: Trace

COMPONENT: Malonic Acid
 CAS NO.: 141-82-2 PERCENT: 0.1

COMPONENT: Deionized Water
 CAS NO.: 7732-18-5 PERCENT: 99.9

III. HAZARDS IDENTIFICATION

May be harmful if swallowed.
 ACUTE TOXICITY: Irritation
 CHRONIC TOXICITY: No data available
 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: Seek medical attention. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person.
 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.
 Fragile. Liquid in glass. Handle with care.
 The reagent in these ampoules is light sensitive. Product should be stored in the dark and at room temperature.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA & ACGIH THRESHOLD LIMIT VALUE: None established.
 PROTECTIVE EQUIPMENT: Safety glasses

IX. PHYSICAL AND CHEMICAL PROPERTIES

STATE: Liquid APPEARANCE: Blue ODOR: None
 SOLUBILITY IN WATER: Complete pH: 2.6
 BOILING POINT: 100°C MELTING POINT: 0°C
 VAPOR PRESSURE: N/A SPECIFIC GRAVITY: 1.0
 VAPOR DENSITY: N/A

X. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition, toxic fumes and gases and oxides of carbon, nitrogen and sulfur may be emitted.
 Stable under normal conditions.

XI. TOXICOLOGICAL INFORMATION

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

XII. ECOLOGICAL INFORMATION

No 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. Causes burns. Irritating to eyes, respiratory system and skin.
 Safety Phrases: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). In case of contact with eyes, rinse immediately and seek medical advice.
 CANADIAN INFORMATION:
 WHMIS Classification: Not available
 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.

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