

WTW GmbH
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WTW Inc.
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Phone: 781-569-0095

Creation Date: 06/13/05 (2941F-1)
Revision Date:

FOR CHEMICAL EMERGENCY
Spill Leak Fire Exposure or Accident
Call CHEMTREC Day or Night
DOMESTIC NORTH AMERICA: 800-424-9300
INTERNATIONAL: 703-527-3887 (collect calls accepted)

MATERIAL SAFETY DATA SHEET

I. CHEMICAL IDENTIFICATION

TRADE NAME: NITRITE Ampoules

MODEL NO.: NO2-3 CV

DESCRIPTION: Reagent ampoules for the determination of nitrite in water. Each ampoule contains approximately 2 mL of liquid reagent sealed under vacuum.

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

II. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT: Cyclohexanediamine Tetraacetic Acid
 CAS NO.: 482-54-2 PERCENT: < 0.1

COMPONENT: 2,5-Dihydroxybenzoic Acid
 CAS NO.: 490-79-9 PERCENT: 2.0

COMPONENT: 4,5-Dihydroxynaphthalene-2,7-disulfonic acid
 CAS NO.: 5808-22-0 PERCENT: 2.0

COMPONENT: Sulfanilic Acid Sodium Salt, Hydrate
 CAS NO.: 123333-70-0 PERCENT: 4.0

COMPONENT: Isopropyl Alcohol
 CAS NO.: 67-63-0 PERCENT: 5.0

COMPONENT: Ethylene Glycol
 CAS NO.: 107-21-1 PERCENT: 16.0

COMPONENT: Deionized Water
 CAS NO.: 7732-18-5 PERCENT: >70.0

III. HAZARDS IDENTIFICATION

ACUTE TOXICITY: Irritation, cough, dizziness, headache, nausea, vomiting, abdominal pain, delayed lung edema

CHRONIC TOXICITY: Irritation, skin sensitization, CNS effects

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Liver and kidney disorders

IV. FIRST AID MEASURES

EYE AND SKIN CONTACT: Immediately flush eyes and skin with water for 15 minutes.

INGESTION: 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 to fresh air. If necessary, give artificial respiration by mechanical means, do not use mouth to mouth resuscitation, seek medical attention.

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 or alcohol foam

VI. ACCIDENTAL RELEASE MEASURES

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

VII. HANDLING AND STORAGE

Always wear eye protection when working with these ampoules.

WARNING: Do not break the tip of the ampoule unless it is completely immersed in your sample. Breaking the tip in the air may cause the glass ampoule to shatter.

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.

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: 400 ppm TWA Isopropyl Alcohol

ACGIH TLV: 100 mg/m³ C Ethylene Glycol, 200 ppm TWA Isopropyl Alcohol

PROTECTIVE EQUIPMENT: Safety glasses, protective gloves

IX. PHYSICAL AND CHEMICAL PROPERTIES

STATE: Liquid APPEARANCE: Colorless to brown tint ODOR: None
 SOLUBILITY IN WATER: Miscible pH: 3.5 SPECIFIC GRAVITY: 1.02
 BOILING POINT: 125 °C MELTING POINT: -2 °C
 VAPOR PRESSURE: N/A VAPOR DENSITY: N/A

X. STABILITY AND REACTIVITY

INCOMPATIBILITIES: Strong oxidants, strong bases

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

Stable under normal conditions.

XI. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: IARC Group 3 carcinogen (Isopropyl alcohol)

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. Isopropyl alcohol is not expected to adsorb to sediment or bioconcentrate, dangerous to aquatic life in high concentration. 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.

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XV. REGULATORY INFORMATION

EUROPEAN INFORMATION:

EU Symbols: Xi - IRRITANT

Risk Phrases: May cause sensitization by skin contact.

Safety Phrases: Avoid contact with skin and eyes. In case of contact with skin or eyes, rinse immediately with plenty of water and seek medical advice.

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

CANADIAN INFORMATION:

WHMIS Classification: D2A, D2B

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

U.S. INFORMATION:

This product contains ethylene glycol and isopropyl alcohol which are 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.