

# Material Safety Data Sheet

**Sultan**

Sultan Healthcare

85 West Forest Avenue, Englewood, NJ 07631

Phone: 201-871-1232 • Toll Free: 800-637-8582

Fax: 201-871-0321 • <http://sultanhealthcare.com>

EU Auth. Rep. (MDD 93/42/EEC)

MDSS GmbH • Schiffgraben 41 • D-30175 Hannover, Germany

**FOR CHEMICAL EMERGENCY: CALL INFOTRAC 1-800-535-5053 24 Hrs. per day, 7 days per week**  
**Outside the United States call collect 1-352-323-3500**

Q-Form 10-111, Rev. D

*Date Reviewed: May 19, 2008*

## 1. Chemical Identification

Trade Name: Sporox Test Vials

Ref #: 75195, 75196

Description: Reagent containing Screw Cap Vials and indicator for the determination of the hydrogen peroxide content of Sporox disinfectant solution. Each Screw Cap Vial contains approximately 4 ml of liquid reagent. Each dropper bottle of indicator solution contains approximately 4 ml of liquid reagent.

## 2. Composition/Information on Ingredients

In the Screw Cap Vial:

Sulfuric Acid CAS # 7664-93-9 Percent: < 5.0

In the Dropper Bottle:

Ferrous Sulfate, Heptahydrate CAS # 7782-63-0 Percent: < 1.0

1,10-Phenanthroline CAS # 5144-89-8 Percent: < 1.5

Diethylene Glycol CAS # 111-46-6 Percent: > 97.0

## 3. Hazards Identification

In the Screw Cap Vial:

Corrosive: May cause burns

Acute Toxicity: Irritation

Chronic Toxicity: Irritation and sensitization dermatitis

Medical Conditions Aggravated by Exposure: May cause eye, skin, and mucous membrane irritation. May cause dermatitis and conjunctivitis.

In the Dropper Bottle:

Acute Toxicity: Irritation

Chronic Toxicity: Central nervous system depressant.

Medical Conditions Aggravated by Exposure: May cause eye, skin, and mucous membrane irritation.

## 4. First Aid Measures

Eye and Skin Contact: Immediately flush eyes and skin with water for 15 minutes.

Ingestion: Seek medical attention.

Inhalation: Remove individual to fresh air.

## 5. Fire Fighting Measures

In the Screw Cap Vial:

Flash Point: N/A Autoignition Point: N/A

Flammability Limits: Upper: N/A Lower: N/A

Extinguishing Media: Dry chemical or carbon dioxide

In the Dropper Bottle:

Flash Point: 290C (closed cup) Autoignition Point: N/A

Flammability Limits: Upper: 10.8% Lower: 1.6%

Extinguishing Media: Dry chemical, water spray, or carbon dioxide, or foam

## 6. Accidental Release Measures

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

## 7. Handling and Storage

Product should be stored at room temperature; however, temperatures up to 120 F or even below freezing will not normally affect reagent performance. 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.

## 8. Exposure Controls/Personal Protection

OSHA & ACGIH Threshold Limit Value: 1 mg/m<sup>3</sup> Sulfuric Acid

Protective Equipment: Safety glasses.

## 9. Physical and Chemical Properties

In the Screw Cap Vial:

State: Liquid

Odor: None

pH: < 0.5

Melting Point: 0 C

Specific Gravity: 1.04

Appearance: Yellow to light orange

Solubility in Water: Miscible

Boiling Point: 109 C

Vapor Pressure: N/A

Vapor Density: N/A

In the Dropper Bottle:

State: Liquid

Odor: None

pH: 7.55

Melting Point: -10 C

Specific Gravity: 1.12

Appearance: Red

Solubility in Water: Miscible

Boiling Point: 473 C

Vapor Pressure: Low

Vapor Density: 3.66

## 10. Stability and Reactivity

In the Screw Cap Vial:

Hazardous Decomposition Products: None

In the Dropper Bottle:

Hazardous Decomposition Products: Emits toxic oxides of carbon under fire conditions.

## 11. Toxicological Information:

Carcinogenic Status: None

No other data available at this time.

## 12. Ecological Information

Harmful to aquatic organisms.

No other data available at this time.

## 13. Disposal Considerations:

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

## 14. Transit Information

U.S. DOT: 49 CFR, 173.4 Exceptions for Small Quantities

IATA: Dangerous Goods in Excepted Quantities

Hazard Class: 8 ID: UN 1830 Group: II

## 15. Regulatory Information

European Information:

EU Symbols: C – Corrosive

Risk Phrases: Causes severe burns, harmful to aquatic organisms, irritating to eyes, respiratory system, and skin

Safety Phrases: In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. After contact with skin, wash immediately with plenty of water. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

Canada Information:

WHMIS Classification: E, D1B, 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.

## 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.