

Safety Data Sheet

1. IDENTIFICATION

Product Name: ExpoSure

Product Type or Synonym: Biological Indicator

Product Description: biological indicator device for monitoring hydrogen peroxide sterilization efficacy of hospital and industrial sterilization processes. Device consists of a sealed plastic tube containing a glass fiber disc inoculated with non-pathogenic test organisms and a crushable “onion skin” sealed glass ampoule of non-hazardous growth medium.

Note: device contains no hazardous ingredients or pathogenic microorganisms.

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2. HAZARDS IDENTIFICATION

The device contains glass and liquid which, upon accident, may enter the skin or eye causing minor injury and/or irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Growth Medium Composition: soybean casein digest, manufactured by BD, pH indicator, and proprietary formulation. Non-hazardous.

Biological Information: bacterial spores obtained from traceable source. Naturally occurring. Non-pathogenic.

4. FIRST AID MEASURES

Skin Contact: under normal circumstances contact with the device should not result in skin irritation. If liquid media comes in contact with skin, wash with soap and water. If the media ampoule is crushed outside of the plastic body, glass splinters may enter the hands or fingers. Remove splinters with tweezers and apply disinfectant to cut areas.

Eye Contact: if liquid media enters the eye, flush with water. If the media ampoule is crushed outside of the plastic body, glass splinters may enter the eye. Do not rub eye. Flush with water. If glass cannot be dislodged with water, medical assistance may be required.

Inhalation: not a likely route of exposure.

Ingestion: not a likely route of exposure.

NOTE: there are no known health hazards from exposure to the microorganisms contained in this product.

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5. FIRE FIGHTING MEASURES

Conditions of Flammability/Flash Point/Auto-ignition Temperature: N/A

Upper Flammable Limit: N/A

Lower Flammable Limit: N/A

Special Hazards: N/A

Explosibility Data: Produces dense black smoke if burned.

Extinguishing Media: Water, dry chemical, foam CO₂

Special Fire Fighting Procedures: Wear appropriate protective equipment including respiratory protection as conditions warrant.

Hazard Combustion Products: N/A

6. ACCIDENTAL RELEASE MEASURES

Clean and disinfect area of spill.

7. HANDLING AND STORAGE

Store at 2°C to 25°C and < 60% relative humidity. DO NOT store near any sterilizer, sources of ethylene oxide, hydrogen peroxide, acids, alkalis or volatile antimicrobials, such as glutaraldehyde or formaldehyde, STERRAD® Cassettes, or any other oxidizers. DO NOT store in direct sunlight or any other form of UV light.

Ensure the ExpoSure BI is at room temperature before use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: N/A

Specific Engineering Controls: N/A

Personal Protective Equipment: Appropriate gloves and safety glasses should be worn when removing this product from the sterilizer, activating (crushing media tube), or cleaning spilled media / broken glass.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor and Appearance: the ExpoSure biological indicator consists of an inoculated glass fiber disc and glass media ampoule contained in a sealed plastic body. The device contains no hazardous ingredients or pathogenic organisms.

Specific Gravity: N/A

Evaporation Rate: N/A

pH: N/A

Vapor Density: N/A

Boiling Point: N/A

Coefficient of Water/Oil Distribution: N/A

Odor Threshold: N/A

Vapor Pressure: N/A

Freezing Point: N/A

Solubility in Water: N/A

10. STABILITY AND REACTIVITY

Chemically Stable: Yes

Incompatibility: N/A

Reactivity: N/A

Hazardous Decomposition Products: N/A

11. TOXICOLOGICAL INFORMATION

Affects of Acute Exposure: N/A
Affects of Chronic Exposure: N/A
Irritancy of Product: N/A
Skin Sensitization: N/A
Respiratory Sensitization: N/A
Carcinogenicity: N/A
Reproductive Toxicity: N/A
Teratogenicity: N/A
Embryotoxicity: N/A
Mutagenicity: N/A
Synergistic Products: N/A

12. ECOLOGICAL INFORMATION

This product contains no known ecological hazards. The microorganisms it contains are non-pathogenic and found in nature. The chemicals it contains are non-toxic biological nutrients and a non-toxic pH sensitive dye.

13. DISPOSAL

Autoclave at 121 °C for 30 minutes prior to disposal or incinerate.

14. TRANSPORT

No special shipping precautions.

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

See instructions for use delivered in each box of product.

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