MATERIAL SAFETY DATA SHEET

OT SHIELD

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1. Product and Company Identification

Product Name: **OT SHIELD**

Manufacturer:
BECTA LABORATORIES
7105/1, G.I.D.C., Sachin, Surat-394230
Ph No.: 98251 45901, 92273 44151
E-mail- becta_laboratories@yahoo.com
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2. Composition and Information on Ingredients

Ingredients:	Stabilized Hydrogen Peroxide	11% w/v
	Diluted Silver Nitrate Solution	0.01% w/v
CAS Number:	Not applicable.	

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3. Hazards Identification

Physical State and Appearance: Clear, colorless to pale-amber liquid.

Emergency Overview:

Potential Health Effects from:

Inhalation:	Inhalation is unlikely to cause injury.
Skin Contact:	Contact is unlikely to cause injury.
Eye Contact:	Contact is unlikely to cause injury.
Ingestion:	Ingestion is unlikely to cause injury.
Routes of Entry:	Ingestion. Inhalation during spray operations.

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4. First Aid Measures

Eye Contact:	Flush with plenty of water.
Skin Contact:	Wash with soap and water.
Inhalation:	Wear a mask or respirator when using product as an aerosol. If exposed to excessive levels of vapors or mists, remove to fresh air.
Ingestion:	If swallowed in excess, wash out mouth with water.

5. Fire Fighting Measures

Flammability of the Product:	Non-flammable.
Auto-ignition:	Not applicable.
Flash Points:	Not applicable.
Flammable Limits:	Not applicable.
Fire Fighting Instructions:	Not applicable.
Protective Clothing (Fire):	Not applicable.

6. Accidental Release Measures

Small Spill and Leak:	Absorb with an inert material and put the spilled material in an appropriate waste disposal container.
Large Spill and Leak:	Mop up or absorb with an inert dry material and place in an appropriate waste disposal container.
Spill Kit Information:	No specific spill kit is required for this product.

7. Handling and Storage

Handling:	Keep container closed when not in use.
Storage:	Keep container in a cool (2–8°C), dark, UV-protected area. Carefully read and follow all label directions.

8. Exposure Controls/Personal Protection

Engineering Controls:	When using as an aerosol, provide exhaust ventilation to minimize airborne concentratio concentrations of vapors.

Personal Protection

Eyes:	When using as an aerosol, wear chemical goggles and provide access to eye/face flushing equipment.

Body:	A lab coat may be worn when handling this solution.
Respiratory:	When airborne exposure limits are exceeded or ventilation is inadequate, use appropriate NIOSH approved respiratory protection equipment. Respiratory protection programs are subject to 29 CFR § 1910.134.
Hands:	Gloves may be worn when handling this solution.. Please refer to glove manufacturer for recommendations.
Feet:	Closed-toe shoes of non-porous material with adequate metatarsal coverage should be worn when handling this solution.
Component Exposure Limits	
Bacteriophage	No OSHA Vacated PELs are listed for this component.
Saline solution, 100mM	No OSHA Vacated PELs are listed for this component.

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9. Physical and Chemical Properties

Odor:	Odorless.
Color:	Clear/opalescent.
Physical State and Appearance:	Liquid.
Molecular Weight:	Not applicable.
Molecular Formula:	Not applicable.
pH:	7.0 – 7.5
Boiling/Condensation Point:	The lowest known value is 99.9°C (211.8°F) (WATER).
Melting/Freezing Point:	May start to solidify at –0.1°C (31.8°F) based on data for water.
Vapor Pressure:	Not available.
Vapor Density (vs. air):	Not available.
Density (vs. water):	1.005–1.007 g/cm3
Decomposition Temperature:	Not available.
Solubility:	Soluble in Water.
Viscosity:	Not available.

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10. Stability and Reactivity

Stability and Reactivity:	Stable when used appropriately.
Conditions of Instability:	Not available.
Incompatibility with Various Substances:	Not available.
Rem/Incompatibility:	Not available.
Hazardous Decomposition Products:	Not available.
Hazardous Polymerization:	Will not occur.

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11. Toxicological Information

Toxicity:	Acute oral toxicity (LD50): >90 mL/kg [Rat] (Saline). Acute toxicity of the vapor (LC50): > 42 g/m^3/1hr [Rat] (Saline).
Chronic Effects on Humans:	None
Acute Effects on Humans:	None
Irritancy:	Draize Test (Saline): Rabbit, eye – 100 mg Mild; Rabbit, skin – 50mg/24hr Mild
Sensitization:	Not available.
Carcinogenic Effects:	This material is not known to cause cancer in animals or humans (Saline).
Toxicity to Reproductive System:	Not available.
Teratogenic Effects:	Not available.
Mutagenic Effects:	Not available.

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12. Ecological Information

Ecotoxicity:	Not toxic.
BOD5 and COD:	Not available.
Toxicity of the Products of Biodegradation:	The product itself and its products of degradation are not toxic.

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13. Disposal Considerations

EPA Waste Number:	Not available.
Treatment:	Material does not have an EPA Waste Number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should be accomplished. Always contact a permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal Regulations.

14. Transportation Information

DOT Classification:	Not applicable.
TDG Classification:	Not available.
IMO/IMDG Classification:	Not applicable.
ICAO/IATA Classification:	Not applicable.

15. Regulatory Information

U.S. Federal Regulations:	This product is intended solely for use as a food additive in accordance with FCN 1018. Components of this product are not listed on the TSCA Inventory or TSCA Inventory status cannot be confirmed.

CERCLA and SARA Regulations (40 CFR 355, 370, 372): This product does not contain any chemicals subject to reporting requirements of SARA Section 313.

State Regulations:

Pennsylvania RTK:	Not applicable
Massachusetts RTK:	Not applicable
New Jersey:	Not applicable
Illinois:	Not applicable
Michigan:	Not applicable
Minnesota:	Not applicable
Louisiana:	Not applicable
California prop. 65:	Not applicable.

16. Other Information

Notice to Reader

The statements contained herein are based upon technical data that Intralytix, Inc. believes to be reliable, are offered for information purposes only and as a guide to the appropriate precautionary and emergency handling of the material by a properly trained person having the necessary technical skills. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use, storage and disposal of these materials and the safety and health of employees and customers and the protection of the environment.

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