Material Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 3M(TM) Attest(TM) Biological Indicators for Steam 1261, 1261P, 1262, 1262P & 1262-S
MANUFACTURER: 3M
DIVISION: Medical Division

ADDRESS: 3M Center
St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

Issue Date: 07/03/2007
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Product Use:
Intended Use: Sterilization process indicator
Specific Use: To indicate attainment of conditions for sterilization.

SECTION 2: INGREDIENTS

Ingredient	C.A.S. No.	% by Wt
Plastic vial and cap	Unknown	40 - 55
Growth media containing carbohydrates, amino acids, bromcresol purple	Unknown	30 - 40
Glass ampule	Unknown	15 - 30
Spore strip with Geobacillus stearothermophilus (previously Bacillus stearothermophilus)	Unknown	< 1

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Specific Physical Form: Glass ampule with test strip and media, enclosed in a covered plastic vial.
Odor, Color, Grade: Glass ampule with test strip and media, enclosed in a covered plastic vial.
General Physical Form: Liquid
Immediate health, physical, and environmental hazards:

3.2 POTENTIAL HEALTH EFFECTS

Eye Contact:
No health effects are expected.Accidental breakage of the vial could result in glass shards entering the eye, causing irritation or lacerations to the ocular tissues.

Skin Contact:
No health effects are expected.Irritation or lacerations could occur from accidental breakage of the vial resulting in glass shards abrading or entering the skin.

Inhalation:
No health effects are expected.

Ingestion:
No health effects are expected.
Geobacillus stearothermophilus is a non-pathogenic organism. Growth media in container is not considered toxic.

SECTION 4: FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: No need for first aid is anticipated.

Skin Contact: No need for first aid is anticipated.

Inhalation: No need for first aid is anticipated.

If Swallowed: No need for first aid is anticipated.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Autoignition temperature	*Not Applicable*
Flash Point	*Not Applicable*
Flammable Limits - LEL	*Not Applicable*
Flammable Limits - UEL	*Not Applicable*

5.2 EXTINGUISHING MEDIA
Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: Not applicable.

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Collect as much of the spilled material as possible. Clean up residue with detergent and water. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING
For industrial or professional use only.

7.2 STORAGE
Store away from areas where product may come into contact with food or pharmaceuticals. Store between 15-30 degree C.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS
Not applicable.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection
Avoid eye contact.
3M recommends the use of safety glasses whem removing biological indicators from the sterilizer and when crushing biological indicators.

8.2.2 Skin Protection
Gloves are not required. Warning: Crushing or excessive handling of the biological indicators before cooling may cause the glass ampule to burst which may result in personal injury from flying debris. Use crusher to activate unit.

3M recommends the use of gloves when removing biological indicators from the sterilizer.

8.2.3 Respiratory Protection
Not applicable.

8.2.4 Prevention of Swallowing
Do not ingest.

8.3 EXPOSURE GUIDELINES

None Established

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specific Physical Form:	Glass ampule with test strip and media, enclosed in a covered plastic vial.
Odor, Color, Grade:	Glass ampule with test strip and media, enclosed in a covered plastic vial.
General Physical Form:	Liquid
Autoignition temperature	*Not Applicable*
Flash Point	*Not Applicable*
Flammable Limits - LEL	*Not Applicable*
Flammable Limits - UEL	*Not Applicable*
Boiling point	Approximately 100 ºC [*Details:* (applies to media)]
Density	1 g/ml
Vapor Density	*Not Applicable*
Vapor Pressure	*Not Applicable*
Specific Gravity	Approximately 1 [*Ref Std:* WATER=1]
pH	Approximately 7.5 [*Details:* (applies to media)]
Melting point	*No Data Available*
Solubility in Water	Negligible
Evaporation rate	*No Data Available*
Volatile Organic Compounds	*Not Applicable*
Percent volatile	Approximately 0 %
VOC Less H2O & Exempt Solvents	*No Data Available*
Viscosity	*No Data Available*

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid: None known

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

Substance	Condition
Not applicable.	Not Specified

SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Not determined.

CHEMICAL FATE INFORMATION

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Autoclave at 121C for at least 30 minutes and dispose with microbiological waste according to your facility's policy.

EPA Hazardous Waste Number (RCRA): Not regulated

Since regulations vary, consult applicable regulations or authorities before disposal.

SECTION 14:TRANSPORT INFORMATION

ID Number(s):
70-2005-0348-3, 70-2005-0349-1, 70-2005-0440-8, 70-2005-0441-6, 70-2005-3864-6, 70-2007-5058-9, 70-2010-0555-3

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS
Contact 3M for more information.

311/312 Hazard Categories:
Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - No Delayed Hazard - No

STATE REGULATIONS
Contact 3M for more information.

CHEMICAL INVENTORIES
This material contains one or more substances not listed on the TSCA Inventory. Commercial use of this material is regulated by the

FDA.

Contact 3M for more information.

Additional Information: This material is not listed on the TSCA inventory and if not used for purposes regulated by the US FDA must be used solely for research and development purposes, including quality assurance and quality control testing, by or under the supervision of a technically qualified individual, in accordance with the related provisions referenced in 40 CFR 720.36.

INTERNATIONAL REGULATIONS

Contact 3M for more information.

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

NFPA Hazard Classification

Health: 0 **Flammability:** 0 **Reactivity:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Revision Changes: Not Applicable

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