

## Material Safety Data Sheet

Biological Indicator spore strip

### SECTION I: IDENTIFICATION

Manufactured for : ETIGAM bv  
Address : Prinsenweide 30  
7317 BB Apeldoorn  
The Netherlands  
Telephone : +31 (0)55 521 17 21  
Product Name : Biological indicator spore strip (Etigam NSS-E#).  
Product Description : Biological indicator spore strip used to monitor EO Gas/Dry Heat sterilization cycles.

### SECTION II: HAZARDS IDENTIFICATION

None

### SECTION III: COMPOSITION/INGREDIENTS

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

### SECTION IV: FIRST-AID MEASURES

**Skin Contact** : N/A  
**Eye Contact** : N/A  
**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.

### SECTION V: FIRE MEASURES

N/A

### SECTION VI: ACCIDENTAL RELEASE MEASURES

Clean and disinfect area spill.

### SECTION VII: HANDLING AND STORAGE

Store at controlled room temperature as defined by the United States Pharmacopeia\*. Controlled room temperature is thermostatically controlled between 20 and 25°C (68-77°F), with excursions to 15°C to 30°C (56-86°F) allowed. Protect from light, chemicals and sterilants (e.g. ethylene oxide), excessive heat and moisture. Optimal humidity range for long term storage is 20 to 70%. Do not desiccate.

### SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits** : N/A  
**Specific Engineering Controls** : N/A  
**Personal Protective Equipment** : N/A

## SECTION IX: PHYSICAL PROPERTIES

<b>Odor and Appearance</b>	: The biological indicator spore strip consists of an inoculated paper strip in a glassine envelope. The device contains no hazardous ingredients or pathogenic organisms.
<b>Specific Gravity</b>	: N/A
<b>Evaporation Rate</b>	: N/A
<b>pH</b>	: N/A
<b>Vapor Density</b>	: N/A
<b>Boiling Point</b>	: N/A
<b>Coefficient of Water/Oil Distribution</b>	: N/A
<b>Odor Threshold</b>	: N/A
<b>Vapor Pressure</b>	: N/A
<b>Freezing Point</b>	: N/A
<b>Solubility in Water</b>	: N/A

## SECTION X: STABILITY AND REACTIVITY

<b>Chemically Stable</b>	: Yes
<b>Incompatibility</b>	: N/A
<b>Reactivity</b>	: N/A
<b>Hazardous Decomposition Products</b>	: N/A

## SECTION XI: TOXICOLOGICAL INFORMATION

<b>Effects of Acute Exposure</b>	: N/A
<b>Effects of Chronic Exposure</b>	: N/A
<b>Irritancy of Product</b>	: N/A
<b>Skin Sensitization</b>	: N/A
<b>Respiratory Sensitization</b>	: N/A
<b>Carcinogenicity</b>	: N/A
<b>Reproductive Toxicity</b>	: N/A
<b>Teratogenicity</b>	: N/A
<b>Embryo Toxicity</b>	: N/A
<b>Mutagenicity</b>	: N/A
<b>Synergistic Products</b>	: N/A

## SECTION XII: ECOLOGICAL INFORMATION

This product contains no known ecological hazards. The spores it contains are non-pathogenic and found in nature.

## SECTION XIII: DISPOSAL

This product contains no known ecological hazards. The spores it contains are non-pathogenic and found in nature. Autoclave at 121°C for 30 minutes prior to disposal or incinerate.

## SECTION XIV: TRANSPORT

No special shipping precautions.

## SECTION XV: REGULATORY INFORMATION

N/A

## SECTION XVI: OTHER

See instructions for use provided in each bag of product.

*The above information is based on data considered accurate at the date of preparation. However no warranty is expressed or implied regarding the accuracy of this data. Etigam assumes no legal responsibility for use or reliance upon these data. The information is not all inclusive and shall be used only as a guide.*