

Material Safety Data Sheet

1. *PRODUCT AND COMPANY IDENTIFICATION*

- 1.1 Product Type or Synonym:** Etigam Chemical Sterilization Process indicators
 - Gamma/E-Beam,
- 1.2 Relevant identified uses of the article and uses advised against.**
- 1.2.1 Relevant uses:** Self-adhesive label provided with ink and or coating sensitive for the relevant sterilization process in order to provide visual evidence of exposure toward this process.
- 1.2.2 Uses advised against :** However sensitive for exposure level not to be used as dosimeter.
- 1.3 Manufacturer :** ETIGAM BV
 Prinsenweide 30
 7317 BB Apeldoorn
 The Netherlands

2. *HAZARDS IDENTIFICATION*

The product is non-hazardous under normal conditions of use. It will burn if ignited or in continuous contact with heat.
 The product does not contains any substances of very high concern (SVHC) in a concentration which exceeds 0,1%.

3. *COMPOSITION*

Paper	: Wood free	80-95	weight %
Adhesive	: Permanent acrylic based adhesive	5-20	weight %
Ink/coating	: Proprietary formulation	0-1	weight %

4. *FIRST AID MEASURES*

- Skin Contact** : Under normal circumstances contact with the material should not result in skin Irritation.
- Eye Contact** : Not a likely route of exposure.
- Inhalation** : Not a likely route of exposure.
- Ingestion** : Not a likely route of exposure.

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5. FIRE FIGHTING MEASURES

No specific fire fighter procedures are needed.

6. ACCIDENTAL RELEASE MEASURES

Not applicable.

7. HANDLING AND STORAGE

Storage preferable in original packaging, according to product label instruction.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits : N/A

Engineering controls : No specific controls are needed .Provide adequate general and local exhaust ventilation to maintain healthful working conditions in accordance with good practice .

Personal Protective Equipment:

Skin : Gloves may be used to prevent paper cuts.

Eye : Use of safety glasses or goggles is recommended in order to prevent contact with paper and dust.

Respirator : Not required in ordinary use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Coated or printed paper with pressure-sensitive adhesive on backside protected with a paper backing .

Physical state : Solid, sticky adhesive layer

Odor : Mild acrylic or rubber odor when the backing is removed

Odor Threshold : N/A

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

Vapor Pressure : N/A

Freezing Point: : N/A

Solubility in Water : N/A

10. STABILITY AND REACTIVITY

Chemically Stable : Stable under normal conditions.

Conditions to avoid : Exposure to open flames.

Incompatibility : Strong oxidizers ,acids, bases.

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Reactivity : N/A

Hazardous

Decomposition Products : Fire combustion gases will include CO,CO₂, other hydrocarbons and water.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure: :Eye skin or inhalation contact with dust produced during processing.

Oral Toxicity :Not determined.

Skin Sensitization: :Not determined.

Inhalation Toxicity ;Not determined.

Carcinogenicity: :Not determined.

Reproductive Toxicity :Not determined.

Mutagenicity: :Not determined.

12. ECOLOGICAL INFORMATION

Not determined.

13. DISPOSAL

Recycle, landfill or incinerate in accordance with applicable federal, state and local regulations.

14. TRANSPORT

No special shipping precautions.

15. REGULATORY INFORMATION

RoHS

With reference to the EU RoHS Directive 2011/65/EU of the European parliament and of the council of 8 June 2011:

Etigam BV hereby declares to the best of its knowledge that the Sterilization Process Indicators do not contain a higher concentration -of the substances below mentioned- than under the regulations is permitted.

MATERIAL NAME	CAS NUMBER
Lead (Pb)	7439-92-1
Mercury (Hg)	7439-97-6
Hexavalent Chromium (Cr6+)	18540-29-9
Cadmium (Cd)	7440-43-9
Polybrominated	Multiple
Polybrominated diphenyl ethers (PBDE)	Multiple

16. OTHER

Prepared By:

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Notice to the reader

The data given here is based on current knowledge and experience. The purpose of this Material Safety Data Sheet is to describe the product in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance