1. Identification

Product identifier: BISM BIOLOGICAL ODOR ELIMINATOR
Other means of identification:
Product number: 10201070403
Recommended use: Biological Odor Eliminator
Recommended restrictions: None known.
Manufacturer/Importer/Supplier/Distributor information:
Manufacturer:
Company name: BISM / Blind Industries and Services of Maryland
Address: 3345 Washington Boulevard
Baltimore, MD 21227
Telephone:
Phone: 410-737-2600
Fax: 410-737-2667
Website: www.bism.org
Emergency phone number: INFOTRAC 800-535-5053

2. Hazard(s) identification

Not classified.

Physical hazards:

Health hazards:
- Acute toxicity, oral: Not classified
- Acute toxicity, dermal: Not classified
- Skin corrosion/irritation: Not classified
- Serious eye damage/eye irritation: Not classified
- Sensitization, skin: Category 1

OSHA defined hazards:
Not classified.

Label elements:

Signal word: Warning
Hazard statement: May cause an allergic skin reaction.
Prevention:
Wear protective gloves. If contact is likely, safety glasses with side shields are recommended.
Avoid breathing mist or vapor. Wash hands thoroughly after handling.
Response:
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Storage:
Store away from incompatible materials. Do not freeze. Keep out of the reach of children.
Disposal:
Dispose of waste and residues in accordance with local authority requirements.

3. Composition/information on ingredients

Mixtures

Material name: BISM BIOLOGICAL ODOR ELIMINATOR
Version #: 01
Issue date: 12-01-2014
Chemical name | CAS number | % by weight
--- | --- | ---
Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone | 55965-84-9 | <0.1

### 4. First-aid measures

#### Eye contact
Rinse with water. Get medical attention if irritation develops and persists.

#### Skin contact
Wash off with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

#### Ingestion
Rinse mouth. Get medical attention if symptoms occur.

#### Inhalation
Move to fresh air. Call a physician if symptoms develop or persist.

#### Notes to physician
Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

#### Most important symptoms/effects, acute and delayed
May cause an allergic skin reaction. Dermatitis. Rash.

#### General information
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

#### Suitable extinguishing media
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

#### Unsuitable extinguishing media
None known.

#### Specific hazards arising from the chemical
During fire, gases hazardous to health may be formed.

#### Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS.

#### Methods and materials for containment and cleaning up

- **Large Spills:** Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
- **Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

#### Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

### 7. Handling and storage

#### Precautions for safe handling
Wear appropriate personal protective equipment. Handle and open container with care. Avoid breathing mist or vapor. Avoid contact with skin. Avoid contact with eyes. Avoid contact with clothing. Provide adequate ventilation. Do not mix with other chemicals. Observe good industrial hygiene practices.

#### Conditions for safe storage, including any incompatibilities
Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep at temperatures between 4 and 49°C. Keep out of the reach of children.

### 8. Exposure controls/personal protection

#### Appropriate engineering controls
Use general ventilation.

#### Individual protection measures, such as personal protective equipment

- **Eye/face protection**
  If contact is likely, safety glasses with side shields are recommended.

- **Skin protection**

- **Hand protection**
  Wear protective gloves.

- **Respiratory protection**
  No personal respiratory protective equipment normally required.
General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance clear
Form Liquid.
Color Light purple
Odor Herbal vanilla
Odor threshold Not available.
pH 7.9
Melting point/freezing point 32 °F (0 °C)
Boiling point 212 °F (100 °C)
Flash point None to Boiling
Evaporation rate Not available.
Flammability (solid, gas) Not available.
Upper/lower flammability or explosive limits
Flammability limit - lower (%)
Flammability limit - upper (%)
Vapor pressure Not available.
Vapor density Not available.
Solubility(ies)
Solubility (water) 100 %
Partition coefficient (n-octanol/water) Not available.
Auto-ignition temperature Not available.
Decomposition temperature Not available.
Viscosity Water-thin
Specific gravity 1.02
VOC (Weight %) 0 %

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability Material is stable under normal conditions.
Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.
Conditions to avoid Contact with incompatible materials. Do not freeze. Do not mix with other chemicals.
Incompatible materials Strong oxidizing agents.
Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information

Toxicological data

<table>
<thead>
<tr>
<th>Product</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>BISM BIOLOGICAL ODOR ELIMINATOR (Mixture)</td>
<td>Acute Dermal LD50 Rabbit: &gt; 5000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Acute Inhalation LD50 Rat: &gt; 25 mg/l/4h</td>
</tr>
<tr>
<td></td>
<td>Acute Oral LD50 Rat: &gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>
Information on likely routes of exposure

Eye contact
Direct contact with eyes may cause temporary irritation.

Skin contact
May cause an allergic skin reaction.

Ingestion
Expected to be a low ingestion hazard.

Inhalation
No adverse effects due to inhalation are expected.

Symptoms related to the physical, chemical and toxicological characteristics
May cause an allergic skin reaction. Dermatitis. Rash.

Carcinogenicity
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Reproductive toxicity
This product is not expected to cause reproductive or developmental effects.

Toxicological information
Occupational exposure to the substance or mixture may cause adverse effects.

12. Ecological information

Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability
Based on the biodegradability data of the components, this material is expected to be biodegradable.

Bioaccumulative potential
No data available.

Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

15. Regulatory information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.
BISM BIOLOGICAL ODOR ELIMINATOR

Product number: 10201070403

CERCLA (Superfund) reportable quantity
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
- Immediate Hazard - Yes
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

SARA 302 Extremely hazardous substance
No

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

US state regulations

US. Massachusetts RTK - Substance List
Not regulated.

US. New Jersey Worker and Community Right-to-Know Act
Not regulated.

US. Pennsylvania RTK - Hazardous Substances
Not regulated.

US. Rhode Island RTK
Not regulated.

US. California Island RTK
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
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<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
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<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
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<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
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<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
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<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
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<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
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</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).
### 16. Other information, including date of preparation or last revision

<table>
<thead>
<tr>
<th>Issue date</th>
<th>12-01-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version #</td>
<td>01</td>
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</tbody>
</table>

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.