Material Safety Data Sheet

Product: SILVICIDE

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING
   Manufacturer: BioShields - A Division of Tulip Diagnostics Pvt. Ltd.
   Plot No. M – 46, Phase III B, Verna Industrial Estate, Verna, Goa, 403 722, INDIA.

   Product name: SILVICIDE
   Synonyms: Aerial Fumigant and Surface and Water Disinfectant Solution

2. COMPOSITION/INFORMATION ON INGREDIENTS
   The ingredients at their given percentages in this product are not considered hazardous to your health.

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>Weight %</th>
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<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>10</td>
</tr>
<tr>
<td>Silver nitrate</td>
<td>7761-88-8</td>
<td>0.01</td>
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3. HAZARDS IDENTIFICATION
   Principle routes of exposure:
   - Oral: Can irritate the tissues of mouth, oesophagus, and other tissues of the digestive system. Symptoms of over exposure can include vomiting, diarrhea and nausea.
   - Eye contact: Severe irritant to the eyes.
   - Skin contact: Causes skin irritation.
   - Ingestion: Ingestion of this material may cause nausea, vomiting and diarrhea.
   - Inhalation: Inhalation of mist or vapors may be severely irritating to the nose and throat.
   - Physico – chemical properties: This product may cause eye, skin or respiratory irritation.

4. FIRST AID MEASURES
   - Eye contact: In the case of contact with eyes, wash immediately with plenty of water and seek medical attention.
   - Ingestion: Wash mouth and throat immediately with plenty of water and seek medical attention.
   - Inhalation: Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.
   - Skin contact: In the case of contact with skin, wash immediately with plenty of water and seek medical attention.

5. FIRE – FIGHTING MEASURES
   - Flash point (°C): Not determined.
   - Autoignition temperature: Not determined.
   - Flammable limits in air - lower (%): Not determined.
   - Fire fighting information:
     - Suitable extinguishing media: Use water, dry chemical, carbon dioxide or chemical foam.
     - Extinguishing media which must not be used for safety reasons: None.
6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**: Avoid inhalation of mist or vapours. Wear eye protection if necessary.

**Environmental precautions**: No special environmental precautions required.

**Methods for cleaning up**: Flush with plenty of water.

7. HANDLING AND STORAGE

**Handling**:
- Technical measures/precautions: Wear appropriate protective material.
- Safe handling advice: Avoid breathing vapours or mist. Avoid contact with eyes.

**Storage**:
- Technical measures/storage conditions: Store at R. T. away from heat and light.
- Incompatible products: Avoid contact with strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Eye protection**: Safety glasses required.

**Hand protection**: Wear Latex/ Nitrile gloves.

**Skin and body protection**: Wear appropriate protective material.

**Respiratory protection**: Wear appropriate protective material.

**Other/general protection**: Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**: Clear liquid

**Physical state**: Liquid

**Colour**: Colourless

**pH**: 1.5 – 2.5

**Odour**: Irritating (Characteristic Hydrogen Peroxide)

**Water Miscibility**: Miscible (Clear Solution)

10. STABILITY AND REACTIVITY

**Chemical stability**: Stable under recommended storage conditions.

**Hazard polymerization**: Hazardous polymerization does not occur.

**Hazardous decomposition products**: Unknown on product.

**Materials to avoid**: Strong acids and bases.

**Conditions to avoid**: Direct exposure to heat and sunlight.

11. TOXICOLOGICAL INFORMATION

**Local effects**
- Oral: Unknown on product.
- Eye irritation: Severe irritant to the eye.
- Skin irritation: May cause skin irritation in sensitized individuals.
- Inhalation: Inhalation of mist or vapours may cause irritation to the nose and throat.
Chronic toxicity

Oral : Not determined.
Inhalation : Not determined.
Dermal : Not determined.

Specific effects

Corrosive effects : Not determined.
Target organ effects : Not determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects : This product has no known eco – toxicological effects.
Aquatic toxicity effects : This product has no known aquatic toxicological effects.
Mobility : Unknown on product.
Persistence / degradability : Unknown on product.
Bioaccumulation : Unknown on product.
Degradation : Unknown on product.

13. DISPOSAL CONSIDERATIONS

This product may be disposed of in accordance with the regulations laid down by the local regulatory authority.

14. TRANSPORT INFORMATION

DOT : Not Applicable
IATA/ICAO : Not Applicable

15. REGULATORY INFORMATION

CAS No. : Not applicable.
Labeling : For External Use Only.
Safety Phrases : Avoid contact with the mucous membrane. In case of contact, wash immediately with plenty of water and seek medical attention.

16. OTHER INFORMATION

Additional advice : None
Literary Reference : None

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End of Safety Data Sheet