# Material Safety Data Sheet

**Product Name:** BIOCOVER™ Biosurfactant and Wetting Agent

## 1. Material Identification

<table>
<thead>
<tr>
<th>Signal Word</th>
<th>Chemical Name</th>
<th>Chemical Class</th>
<th>Product Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td>SURFACTANT</td>
<td>PLANT EXTRACTS</td>
<td>INDIA</td>
</tr>
</tbody>
</table>

**Manufacturer and Distributor**

BIOQUEST TECHNOLOGIES (PVT.) LTD.
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## 2. Product Ingredients

<table>
<thead>
<tr>
<th>Chemical Component</th>
<th>Percent Range</th>
<th>CAS Numbers</th>
<th>OSHA-PEL</th>
<th>ACGIH-TLV</th>
<th>NTP/IAARC/OSHA CARCINOGEN</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SURFACTANT</td>
<td>60%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Other Ingredients</td>
<td>40%</td>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

## 3. Hazards Identification

**Emergency Overview:**

**Physical Properties**

- **Appearance:** Green color Liquid
- **Odor:** Aromatic odor

**Hazardous Decomposition Products:** None

**Unusual Fire, Explosion, and Reactivity Hazards:** None

**Potential Health Effects**

- **Acute Effects:** Not known
- **Symptoms of Acute Exposure:** Not Known
- **Chronic Effects:** None Known
- **Carcinogenicity:** None of the components is listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

## 4. First Aid Measures

**Primary Routes of Exposure:** Inhalation, Ingestion

**Sign and Symptoms of Exposure:**

- **Inhalation:** May be Irritating
- **Ingestion:** May taste bland.

**Emergency First Aid Procedure:**

- **If Inhaled:** If inhaled excessive, move to fresh air.
- **If Ingested:** Give more water to dilute. Call a Physician.

## 5. Fire Fighting Measures and Explosion Hazard Data

- **Flash Point:** Non flammable
- **Auto ignition Temperature:** Not established
- **Fire Extinguishing Media:** Not established
- **Special Fire Fighting Procedures:** Follow regular firefighting procedures.

## 6. Accidental Release Measures

**Steps to be Taken if Material is Released or Spilled**

- **General:** Remove spilled material through simple mechanical removal.
- **Specific:** Product is not regulated under RCRA or CERCLA.

## 7. Handling and Storage

**Precautions in Handling:** Do not contaminate water, food, or feed by storage or disposal.

**Storage:** Store in cool, dry place.

## 8. Exposure Controls/Personal Protection

**Ventilation Requirements:** Normal ventilation is recommended.

**Personal Protective Equipment:**

- **Eye/ Face:** Routine industrial production cares.
- **Skin Protection:** Use hand gloves.
- **Respiratory Protection:** Normal ventilation is recommended
- **Additional Information:** Wash hands before eating, drinking, chewing gum and using tobacco products.

**Applicators and Handlers:** Regular fertilizer application procedures to be followed.

## 9. Physical and Chemical Properties

- **Appearance:** Dull white viscous Liquid
- **Specific Gravity:** 1.0-1.1
- **Dispersion in Water:** Miscible in water
- **pH:** 4.5-5.0 @ 20 °C
- **Odor:** Aromatic
- **Viscosity:** Viscous
- **Boiling point:** >150 Deg C
- **Freezing point:** Unknown
- **Vapor pressure:** Unknown
10. Stability and Reactivity

Stability: Stable at ordinary conditions of use and storage.
Incompatibility: Unknown
Decomposition/ Byproducts: Unknown.
Hazardous Polymerization: Unknown.

11. Toxicological Information

Acute Toxicity/Irritation Studies:
Acute Oral: Unknown
Acute Dermal: Unknown
Acute Inhalation: Unknown
Primary Eye Irritation: Unknown
Skin Sensitization: Unknown

12. Ecological Information

Acute Fish Toxicity (Rainbow Trout): Unknown
Acute Daphnia Immobilization: Unknown
Effect on Birds: Unknown

13. Disposal Considerations

Do not contaminate water, food or feed.

14. Transportation Information

Classification: Not regulated
Maritime Organization: Not regulated
Civil Aviation Organization: Not regulated
Instructions: No special instruction on handling required
Flammability: Non flammable
Transport by Air: Not regulated

15. Regulatory Information

SARA Title III Classifications
Section 302/304: N/A
Section 311/312: N/A
Section 313 Chemical(s): N/A

Proposition 65
Not Applicable

CERCLA Reportable Quantity (RQ)
Not Applicable

RCRA Classification
Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA Status
Not Applicable

16. Other Information

NFPA Hazard Ratings
Health: NA
Flammability: NA
Reactivity: NA

Prepared by: BIOQUEST TECHNOLOGIES (PVT.) LTD.

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