

# MATERIAL SAFETY DATA SHEET

## Orb-3® Sludge Pellets

### Section 1 – Chemical Product & Company Identification

**Trade Name:** Orb-3® Sludge Pellets  
**Chemical Family:** Mixture  
**Product Description:** A concentrated non-pathogenic non-hazardous multi-cultural bacteria blend and a proprietary blend of trace minerals and organic catalysts for sludge control.  
**Manufacturer:** Great Lakes Bio Systems, Inc.  
13916 Leetsbir Road, Sturtevant, WI 53177  
**Technical Support:** 800-236-1366  
**Chemical Emergency:** 800-424-9300

**Issue Date:** 11/2/2010  
**Supersedes Date:** 6/13/2008

### Section 2 – Hazards Identification

**Threshold Limit Value:** OSHA nuisance dust limit of 15mg/m<sup>3</sup> or ACGIH nuisance dust limit of 10mg/m<sup>3</sup> for the 8 hour time weighted average.

#### Potential health effects:

**Eyes:** May cause redness, pain or irritation, and possible corneal injury.  
**Skin:** May cause mild irritation after prolonged contact.  
**Inhalation:** May cause irritation to the lungs and mucus membranes.  
**Ingestion:** May result in irritation of the mouth and throat or cause choking.

### Section 3 – Composition / Information on Ingredients

<u>Components</u>	<u>CAS #</u>	<u>Percent</u>
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Orb-3® Sludge Pellets is a proprietary composition “not considered hazardous” under the OSHA Hazard Communication Standard CFR Title 29 1910.1200

### Section 4 – First Aid Measures

#### First aid procedures

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

**Skin Contact:** Flush skin with large amounts of water. Remove any contaminated clothing and wash before reuse. Seek medical attention if irritation occurs.

**Inhalation:** Remove victim to fresh air. Seek medical attention if irritation occurs.

**Ingestion:** Treat symptomatically. If breathing has stopped give artificial respiration. Get immediate medical attention.

## Section 5 – Fire Fighting Measures

**Flash Point:** None

### Extinguishing

**Media:** Water fog or fine spray, carbon dioxide, dry chemical or foam.

### Fire fighting

**Protection:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## Section 6 – Accidental Release Measures

### Personal

**Precautions:** Isolate area. Keep unnecessary personnel away. Keep out of low areas. Ventilate closed spaces before entering.

### Methods for

**Clean-up:** Wear appropriate protective equipment and clothing during clean-up.

## Section 7 – Handling and Storage

**Handling:** Avoid contact with skin and eyes. Wash hands thoroughly after handling.

**Storage:** Store this product below 100° F (° C) and do not freeze. Store in a cool, dry, well-ventilated area away from heat and out of direct sunlight. For best results use within 12 months. Never commingle with bactericides or quaternary disinfectants, as they will degrade/inactivate bacteria.

## Section 8 – Exposure Controls, Personal Protection

### Personal Protection

**General:** Eye wash fountain is recommended.

**Eyes:** Wear chemical goggles.

**Skin:** Wear suitable protective clothing. Use impervious gloves.

## Section 9 – Physical & Chemical Properties

<b>Solubility in water:</b>	Minimal
<b>Appearance:</b>	Tan pellet
<b>pH:</b>	Not applicable
<b>Odor:</b>	Mild

## Section 10 – Stability & Reactivity

**Chemical Stability:** Stable at normal conditions.

**Incompatible Materials:** Strong acids as they may inactivate cultures

**Hazardous Decomposition Products:** None known

**Hazardous Polymerization:** Will not occur.

## Section 11 – Toxicology Information

**Toxicology data:** Not available.

## Section 12 – Ecological Information

**Ecotoxicity:** Not available.

## Section 13 – Disposal Considerations

**Disposal instructions:** Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.

## Section 14 – Transportation Information

**General information:** Non-hazardous.

**US DOT:** Not regulated.

**Proper Shipping Description:** NMFC 20400 Bacteria in dry or liquid carrier  
Class 60

## Section 15 – Regulatory Information

**TSCA Inventory Status:** This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

## Section 16 – Other Information

**HMIS ratings:** Health: 1  
Flammability: 0  
Physical hazard: 0

**NFPA ratings:** Health: 1  
Flammability: 0  
Reactivity: 0

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