

MATERIAL SAFETY DATA SHEET

Orb-3® Antifoam

Section 1 – Chemical Product & Company Identification

Trade Name: Orb-3® Antifoam
Chemical Family: Mixture
Product Description: A water-based, food-grade silicone antifoam emulsion.
Manufacturer: Great Lakes Bio Systems, Inc.
13916 Leetsbir Road, Sturtevant, WI 53177
Technical Support: 800-236-1366
Chemical Emergency: 800-424-9300
Issue Date: 7/13/2010
Supersedes Date: 11/5/2005

Section 2 – Hazards Identification

Emergency overview: Mildly irritating to the eyes. Mild skin irritation.

Potential health effects:

Eyes: May cause irritation unless immediately rinsed.
Skin: May cause irritation upon prolonged contact.
Inhalation: Unknown
Ingestion: Effects of ingesting small quantities are expected to be minimal. Never taste or swallow product.

Section 3 – Composition / Information on Ingredients

<u>Components</u>	<u>CAS #</u>	<u>Percent</u>
Polydimethylsiloxane Compound	Mixture	1.0%

Orb-3® Antifoam 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: If symptoms are experienced, remove source of contamination and/or move victim to fresh air. If breathing is difficult, have trained personnel administer oxygen. If respiration stops, have trained personnel administer artificial respiration. Get medical attention immediately.

Ingestion: Give large amounts of water. Do not induce vomiting. If spontaneous vomiting is inevitable, prevent aspiration by keeping victim’s head below the knees. 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.

Environmental

Precautions: Prevent further leakage or spillage if safe to do so.

Methods for

Containment: Prevent entry into waterways, sewers, basements or confined areas.

Methods for

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

Large spill: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Dispose in accordance with all local, state and federal regulations.

Small spill: Follow same procedure as above.

Section 7 – Handling and Storage

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

Storage: Store this product below 120°F (49°C), preferably below 75°F (24°C), in a cool, dry, well ventilated area away from heat, sparks, flame, oxidizers and out of direct sunlight. For best results, use within 12 months.

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

Vapor Pressure:	Not available.
Vapor Density (air = 1):	Not available.
Specific Gravity:	~1.00 – 1.01 @ 77° F (25° C)
Solubility in water:	Dispersible
VOC:	Negligible
Appearance:	White, liquid emulsion
pH:	6.8 – 8.1 @ 77° F (25° C)
Boiling Point:	> 212° F (100° C)
Flash Point:	None
Freezing Point:	< 32° F (0° C)
Evaporation Rate:	Not available.
Weight:	8.3 – 8.4 lbs. /gallon
Odor:	Bland

Section 10 – Stability & Reactivity

Chemical Stability:	Stable at normal conditions.
Incompatible Materials:	Strong oxidizing agents, alkalis
Hazardous Decomposition Products:	None known.
Conditions to avoid:	See Section 7.
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 050140-01 Defoaming compound Class 55

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.

DSL (Canada): This product and/or all of its components are either included on or exempt from the Domestic Substances List.

Section 16 – Other Information

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

NFPA ratings: Health: 0
Flammability: 0
Reactivity: 0

Disclaimer: The information herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Great Lakes Bio Systems, Inc. assumes no responsibility for personal injury or property damage to the Vendee, Users or Third Parties caused by the material. Such Vendees or Users assume all risks associated with use of this material.