

Section 1 – Chemical Product and Company Identification

MSDS Name: Floralife® MicroBloc Greenhouse Disinfectant (Liquid)
 EPA Registration Number: 10324-94-32258

Product Numbers: 3910, 3916, 3930

Company Identification:

Floralife, Inc.
 751 Thunderbolt Drive
 Walterboro, SC 29488
 Telephone Number: 843-538-3839
 Fax Number: 843-538-3949
 Emergency Number: 843-217-7609
 For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident,
 Call CHEMTREC day or night:
 Domestic North America; 800-424-9300
 International: 703-527-3887 (collect calls accepted)

Section 2 – Composition, Information on Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Percent (%)</u>
Alkyl dimethyl ethylbenzyl ammonium chloride	68956-79-6	5-10%
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	5-10%
Inert Ingredients	N/A	80-90%

Section 3 – Hazards Identification

Emergency Overview: DANGER. Keep Out of Reach of Children. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed. Harmful if absorbed through skin. Do not get into eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.
 Eye Contact: May cause severe eye damage.
 Skin Contact: May cause irritation.
 Irritation of mucous membrane can be caused by solvent vapors.

Section 4 – First Aid Measures

FIRST AID: Have the product container or label with you when calling poison control center or doctor, or going for treatment.
 If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
 If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Note to Physician: Probably mucosal damage may contraindicate the use of gastric lavage.

Section 5 – Fire Fighting Measures

Flammability Class: 0
 Flash Range: No data
 Explosive Range: No data
 Extinguishing Media: Dry chemical, water fog, CO2, Foam. Cool fire-exposed container with spray, must wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA).
 Unusual Fire Explosion Hazards: Explosive mixtures can form with air. Combustion products are toxic. Solvent vapors can travel to an ignition source and flashback.

Section 6 – Accidental Release Measures

Clean-Up: Small spills may be mopped up. Flush with water or absorb with some absorbent material. Large spills should be contained.

Section 7 – Handling and Storage

Handling Procedures: Handle and open containers with care.
 Storage Procedures: Pesticide Storage. Open dumping is prohibited. Store only in original container. Do not reuse empty container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

Section 8 – Exposure Controls, Personal Protection

Occupational Exposure Limits:
 ACGIH TLV ACGIH STEL OSHA STEL OSHA PEL
 Not established.

PERSONAL PROTECTIVE EQUIPMENT:

Applicators and other handlers must wear coveralls worn over long-sleeved shirt and long pants, waterproof gloves, chemical resistant footwear and socks, protective eyewear, chemical-resistant headgear when using this product for algae control in overhead watering system and chemical-resistant apron when mixing, loading or cleaning equipment. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product’s concentrate. Do not reuse them. Follow manufacturer’s instructions for

cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Remove PPE immediately after handling the product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Section 9 – Physical and Chemical Properties

Form:	Liquid
Appearance/Color:	Clear
Odor:	Mild
pH Value:	6-8
Boiling Range:	no information
Vapor Pressure:	no information
Melting Point:	no information
Evaporation Rate:	no information
Vapor Density:	non volatile
% Volatile by Weight:	50%
% Volatile by Volume:	no information
Specific Gravity:	1.00
VOC:	no information
Molecular Weight:	mixutre
Heavy Elements:	no information

Section 10 – Stability and Reactivity

Stability:	This product is stable under normal conditions.
Hazardous Polymerization:	Hazardous polymerization will not occur.

Section 11 – Toxicological Information

No toxicity data available.

Section 12 – Ecological Information

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority.

Section 13 – Disposal Considerations

PESTICIDE DISPOSAL – Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL (Larger than 1 gallon): Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. In addition, plastic containers may be disposed of by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Section 14 – Transportation Information

US DOT Shipping Name: MicroBloc, UN1903, PG II, ICAO/IATA Class IMDG Class This item is a marine pollutant. ADR/RID Number 3910

Section 15 – Regulatory Information

SARA Title III Section 313 Information: This product contains NONE of the substances subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization act.

Section 16 – Other Information

DISCLAIMER: The information in this MSDS has been gathered from standard reference materials. This information is offered for the users' consideration, investigation and verification. Floralife, Inc. makes no warranty, expressed or implied, with respect to the use or reliance on the same. This information should not be regarded as legal advice or regulation. It is the responsibility of the user to comply with all local, state and federal regulations and to consult the appropriate agency for information.

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