



Safety Data Sheet

LJ 'Dwi -Gpf™

SECTION 1: Product and Company Identification

Product name: JH Bug-End™
Product code: 0999
Product use: Use to suppress arthropods.
Product type: Vegetable oil, essential oil

Manufacturer: JH Biotech, Inc.,
4951 Olivas Park Drive, Ventura, CA 93003
Tel: (805)650-8933 Fax: (805)650-8942
info@jhbiotech.com

Emergency telephone: (800)428-3493 (within the United States)
(805)650-8933 (outside the United States)

SECTION 2: Hazards Identification

Contact with eyes or skin may cause irritation. May be harmful if swallowed.

Signal Word: Caution

HMIS Rating: Health = 1 Flammability = 0 Reactivity = 0

SECTION 3: Composition/Information on Ingredients

Component	CAS No.
Cottonseed oil	8001-29-4
Onion oil	8002-72-2
Sodium bicarbonate	144-55-8

SECTION 4: First Aid Measures

Inhalation: Remove from source of exposure. Get medical attention if necessary.
Skin contact: Wash thoroughly with soap and water. Get medical attention if necessary.
Eye contact: Wash eyes with plenty of water for at least 15 minutes. Be sure to remove contact lenses. Get medical attention if necessary.
Ingestion: Wash out mouth with plenty of water. Do not induce vomiting. Get medical attention if necessary.

SECTION 5: Firefighting Measures

Suitable extinguishing media

Water spray, dry chemical, carbon dioxide, foam



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Special hazards arising from the substance or mixture

Not available

Protection for firefighters

Wear protective clothing and equipment

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear protective clothing, gloves, and safety eye goggles.

Environmental precautions

Not available

Methods and material for containment and cleaning up

Contain all spills and leaks to prevent discharge into the environment. Use appropriate absorbent material to absorb the spilled material and flush spilled area with water.

SECTION 7: Handling and Storage

Precautions for safe handling

Avoid overheating or freezing

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area away from direct sunlight. Keep containers tightly closed when not in use.

Specific end use(s)

Not available

SECTION 8: Exposure Controls/Personal Protection

Personal Protection

Eye protection: Eye protection is not required. To avoid contact with eyes, use safety eye goggles.

Skin protection: Wear protective clothing as necessary to minimize contact. Use chemical resistant gloves.

Respiratory protection: Not required

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Yellow, amber color
Odor	Onion
pH	Not available
Melting point/freezing point	Not available
Boiling point	100°C/212°F
Flash point	Not available



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Evaporation rate	Not available
Flammability	Not available
Explosive limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	0.99 g/cc
Solubility	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Non explosive
Oxidizing properties	Not available

SECTION 10: Stability and Reactivity

Reactivity

Not available

Chemical stability

Product is stable.

Possibility of hazardous reactions

Under normal conditions, hazardous reaction will not occur.

Conditions to avoid

Avoid heat

Incompatible materials

Strong acidic and basic solution

Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity:	Not available
Irritation:	Not available
Corrosivity:	Not available
Sensitization:	Not available
Dose toxicity:	Not available
Carcinogenicity:	Not available
Mutagenicity:	Not available
Reproductive toxicity:	Not available



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SECTION 12: Ecological Information

Ecotoxicity
Not available

Persistence and degradability
Not available

Bioaccumulative potential
Not available

Mobility in soil
Not available

SECTION 13: Disposal Considerations

Waste treatment methods
Not hazardous waste. Dispose of product in accordance with regulations.

SECTION 14: Transport Information

UN number: Not available
UN proper shipping name: Not available
Transport hazard class(es): Not available
Packing group: Not available
Environmental hazards: Not available
Special precautions for user: Not available

SECTION 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the product
Not available

SECTION 16: Other Information

Issued: April 17, 2017

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