

**Safety Data Sheet**

Version 1.1  
Revision Date: 04/11/2016

**1. Product and Company Identification**

**Product Identifier**

Product Name: BugMace Natural Organic Insect & Mosquito Repellent  
General Use: Natural Insect Repellent

**Recommended/Restricted Use**

Identified Uses: Natural Insect Repellent  
Restrictions: N/A

**Manufacturer**

BugMace, Inc.  
4301 US Route 9 North  
Howell, NJ 07731

**Emergency Contact Information**

Phone Number: 888-575-0043  
Company Name: BugMace, Inc.

**Registration Information**

This product is exempt from registration and eligible as a minimum risk pesticide product under EPA FIFRA 25(b), 40 CFR 180.950.

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**2. Hazard Identification**

**GHS Classification**

Mild Eye Irritant  
Skin Sensitizer (Category 1)

**GHS Label Elements, Including Precautionary Statements**

Pictogram



Signal Word: Warning

Hazard Statement(s)

H317: May cause allergic skin reaction.

Precautionary Statement(s)

P302+P332+P352: If skin irritation occurs: rinse area thoroughly with soap and water. If irritation persist

seek medical attention.

P305+P351+P338

If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301+P310

If swallowed: Give several large glasses of water. Call a POISON CENTER or doctor/physician if you feel unwell.

P304+P341

If inhaled: Existing asthma may be irritated if known floral allergies. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

HMIS Classification Health

Hazard: 1  
Flammability: 0  
Physical Hazards: 0

NFPA Rating

Health Hazard: 1  
Fire: 0  
Reactivity Hazard 0

**Other Hazards**

N/A

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**3. Composition/Information on Ingredients**

Chemical Name	Volume %	CAS Number
Lemongrass Oil	6.00	8007-02-1
Citronella Oil	4.00	8000-29-1
Soybean Oil	3.00	8001-22-7
Geranium Oil	3.00	8000-46-2
Rosemary Oil	2.00	8000-25-7
Clove Oil	1.25	8000-34-8
Thyme Oil	1.25	8007-46-3

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**4. First Aid Measures**

**Description of First Aid Measures**

**Inhalation** Not a reasonable route of exposure. If irritation occurs, move person to fresh air.  
**Skin Contact** For sensitive individuals: Flush with warm water and soap. If irritation persists, seek medical attention.  
**Eye Contact** Flush thoroughly with clean water for 15 minutes. If contact lenses are used, remove lenses and clean lenses thoroughly with clean water as well.  
**Ingestion** Flush oral cavity, drink plenty of water. Treat symptomatically. Seek medical attention if feeling unwell.

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**5. Firefighting Measures**

Suitable Extinguishing Media Water, Foam  
Unsuitable Extinguishing Media N/A  
Specific Hazards Arising from the Chemical N/A  
Special Protective Actions for Firefighters N/D

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**6. Accidental Release Measures**

Personal Precautions, Protective Equipment and Emergency Procedures

N/A

Environmental Precautions

N/A

Methods and Materials for Containment and Cleaning Up

Small Spills: Mop Up

Large Spills: N/A

Cleanup Procedures: Mop up

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**7. Handling and Storage**

Precautions for Safe Handling

Leave in containers and cartons.

Conditions for Safe Storage, Including any Incompatibilities

Store in a cool dry place. Avoid freezing or abnormally high temperatures.

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**8. Exposure Controls/Personal Protection**

Control Parameters

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**9. Physical and Chemical Properties**

Physical State	Emulsion
Color	Light milky-white
Odor	Lemon
Odor Threshold	N/D
pH	Neutral
Specific Gravity	0.966-0.975
Melting Point/Freezing Point	N/D
Initial Boiling Point	100°C
Flash Point	N/D
Flammability (solid/gas)	N/A
Vapor Pressure	17.2 mmHg @ 20°C
Vapor Density (Air=1)	0.61-0.63
Relative Density	N/D
Water Solubility	Complete
Auto-Ignition Temperature	N/A
Decomposition Temperature	N/D
Viscosity	N/D

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**10. Stability and Reactivity**

**Chemical Stability**

Stable when stored in sealed container at normal temperatures and in a suitable location.

**Possibility of Hazardous Reactions**

Hazardous polymerization will not occur.

**Conditions to Avoid**

Avoid direct sunlight and moisture. Avoid heat and freezing conditions. Avoid storage with incompatible materials.

**Incompatible Materials**

Acids, salts, quarternary compounds.

**Hazardous Decomposition Products**

N/A

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**11. Toxicological Information****Acute Toxicity**

Dermal LD<sub>50</sub> N/D

Oral LD<sub>50</sub> N/D

Inhalation LC<sub>50</sub> N/D

**Chronic**

None known

**Respiratory or Skin Sensitization**

N/D

**Carcinogenicity**

This product is not classified as a carcinogen by NTP, IARC or OSHA

**Reproductive Toxicity**

None Known

**Teratogenic Effects**

None Known

**Mutagenicity**

None Known

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**12. Ecological Information****Environmental Data**

No data available. Product completely biodegradable.

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**13. Disposal Considerations****Disposal Methods**

Observe all Federal, Provincial, State and Municipal regulations. If possible, recycle empty container. Dispose of in sanitary landfill.

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**14. Transport Information**

Non-hazardous.

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**15. Regulatory Information****OSHA Hazard Communication Standard**

This material does not contain "Hazardous Chemicals" as defined by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**TSCA Status**

No data available.

**SARA 313 Components**

Not listed

**California Proposition 65, Safe Drinking Water and Toxic Enforcement Act of 1986**

This product contains no chemical(s) known to the State of California to cause cancer or other reproductive harm.

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**16. Other Information****Prepared By**

NewTechBio, Inc.  
4301 US 9 North, Howell, NJ 07731  
888-575-0043

**Date of Latest Version**

April 11, 2016

**Sections of SDS Revised**

N/A

**Further Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BugMace, Inc. or NewTechBio, Inc. shall not be held liable for any damage resulting from handling or from contact with this product.

