

Material Safety Data Sheet

1. Chemical Product And Company Identification

- (1) **Product identifier** Mosquito Barrier
- (2) **Manufacturer** Garlic Research Labs, Inc.
624 Ruberta Avenue
Glendale, CA 91201-2335
Tel: 1-800-424-7990
- (3) **Supplier** Upper Canada Organic Products, Inc.
15 Cardigan Rd.
Toronto, ON M8Z 2V8
Tel: 888-233-3208
- (4) **Date Prepared** January 24, 2014
- (5) **Prepared by** David Smorenburg (416) 233-3205

2. Composition/Information on Ingredients

- (1) **Ingredients/Components** 99.3% Garlic Juice (*Allium Sativum*), 0.5% Citric Acid (77-92-9) and 0.2% Potassium Sorbate (24634-61-5).

3. Hazards Identification

- 3.1 Emergency overview None
- 3.2 **Potential health effects**
- (1) Route of entry Inhalation Yes. No adverse health effects known.
- Eye Yes. Mild irritation may occur. Rinse with plenty of water.
- Skin absorption No
- Skin contact No. Contact may cause slight irritation on exposed skin or open wounds. Rinse with plenty of water.
- Ingestion No.
- (2) Effects of acute exposure None known.
- (3) **Effects of chronic exposure** None known.
IARC - No.
NTP - No.
OSHA - No.

4. First Aid Measures

(1) Specific first aid measures	Inhalation	None
	Eye	Flush with plenty of water.
	Skin absorption	None
	Skin contact	Rinse with plenty of water.
	Ingestion	Drink water.

5. Fire Fighting Measures

(1) Conditions of flammability	None.
(2) Means of extinguishing	N/A
(3) Flash point and method of determination	N/A
(4) Explosion data - sensitivity to mechanical impact	N/A
(5) Explosion data - sensitivity to static discharge	N/A

6. Accidental Release Measures

- (1) Procedures to be followed in case of a leak or spill.
Wash area with water and sweep away. Product is biodegradable.
Do not sweep into streams or open water systems.

7. Handling And Storage

- (1) Handling procedures and equipment
Wash after applying. Protect from freezing and physical damage.
- (2) Storage
Store in a cool dry area.

8. Exposure Controls/Personal Protection

- (1) Specific engineering controls to be used
Avoid using on windy days.
- (2) Personal protective equipment to be used
Goggles only.

9. Physical And Chemical Properties

- (1) Physical state (i.e. gas, liquid or solid)
Liquid
- (2) Odour and appearance
Yellowish, sand colour. Strong garlic odour.
- (3) PH
3.43
- (4) Specific Gravity
1.1

10. Stability And Reactivity

(1) Conditions under which the product is chemically unstable

None.

(2) Name of any substance or class of substance with which the product is incompatible

None.

(3) Conditions of reactivity

None.

(4) Hazardous decomposition products

N/A

11. Toxicological Information

(1) Irritancy

Exposure may cause slight irritation of eyes and skin.

(2) Sensitization

None.

(3) Carcinogenicity

Not classified as by IARC, OSHA and NTP as a carcinogen.

12. Ecological Information

Environmental Effects

None known

13. Disposal Considerations

(1) Waste disposal

Place in containers and take to waste disposal center.

Consult Canadian Environmental Protection Act and federal, provincial and local regulations.

14. Transport Information

(1) Not listed as a dangerous good.

(2) Special shipping information

Do not freeze.

15. Regulatory Information

(1) WHIMS Hazard Symbol

None

16. Other Information

When handled properly by qualified personnel, the product described herein does not present a health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Upper Canada Organic Products, Inc. The data on this sheet are related only to the material designated herein. Upper Canada Organic Products, Inc. assumes no legal responsibility for use of reference upon these data.