



# SAFETY DATA SHEET

## MULTICROP ECOSNAIL SNAIL AND SLUG REPELLENT

Infosafe No.: LQ9WR  
ISSUED Date : 04/12/2019  
ISSUED by: MULTICROP (AUST). PTY LTD

### 1. IDENTIFICATION

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**GHS Product Identifier**

MULTICROP ECOSNAIL SNAIL AND SLUG REPELLENT

**Company Name**

MULTICROP (AUST). PTY LTD

**Address**

6-10 Koornang Road Scoresby  
VIC AUSTRALIA

**Telephone/Fax Number**

Tel: (03) 8720 2100

Fax: (03) 9720 5051

**Emergency phone number**

13 1126 (24 hours)

**Recommended use of the chemical and restrictions on use**

Ready to Use Surface Barrier Snail & Slug Repellent.

### 2. HAZARD IDENTIFICATION

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**GHS classification of the substance/mixture**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Hazardous to the Aquatic Environment - Acute Hazard: Category 3

**Hazard Statement (s)**

H402 Harmful to aquatic life.

**Precautionary statement – Prevention**

P273 Avoid release to the environment.

**Precautionary statement – Disposal**

P501 Dispose of contents/container to an approved waste disposal plant.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Information on Composition**

Copper silicate can be CAS 23739-45-9 or CAS 1344-72-5.

## Ingredients

Name	CAS	Proportion
Acetic acid	64-19-7	<1 %
Copper silicate	23739-45-9	<1 %
Ingredients determined not to be hazardous, including water		Balance

## 4. FIRST-AID MEASURES

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### Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

### Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

### Skin

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

### Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

### First Aid Facilities

Eyewash and normal washroom facilities.

### Advice to Doctor

Treat symptomatically.

### Other Information

For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (131 126)

## 5. FIRE-FIGHTING MEASURES

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### Suitable Extinguishing Media

Use appropriate fire extinguisher for surrounding environment.

### Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases.

### Specific Hazards Arising From The Chemical

This product is non combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn.

### Decomposition Temperature

Not available

### Precautions in connection with Fire

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

## 6. ACCIDENTAL RELEASE MEASURES

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### Emergency Procedures

Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. As a water based product, if spilt on electrical equipment the product will cause short-circuits.

### Other Information

Dilute acidic Copper solutions may act as a fungicide / pesticide and may cause localised problems for beneficial plants and insects.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations. Protect from freezing. Store away from alkaline solutions.

### Corrosiveness

No significant corrosive effects expected. Will slowly react with Aluminium, Copper, Zinc etc.

### Unsuitable Materials

Unsuitable Container Materials: Aluminium, Copper, Zinc, etc.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Acetic acid:

TWA: 10 ppm, 25 mg/m<sup>3</sup>

STEL : 15 ppm, 37 mg/m<sup>3</sup>

Copper, dusts & mists (as Cu)

TWA: 1 mg/m<sup>3</sup>

Copper, fume (as Cu)

TWA : 0.2 mg/m<sup>3</sup>

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Source: Safe Work Australia

### Biological Limit Values

No biological limits allocated.

### Appropriate Engineering Controls

Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial

Applications.

#### Hand Protection

Wear gloves of impervious material. (plastic or rubber gloves (elbow length)) Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

#### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Liquid	Appearance	Green water based solution
Colour	Green	Odour	Acrid Acetic Acid odour
Decomposition Temperature	Not available	Melting Point	0°C
Boiling Point	100°C	Solubility in Water	Soluble in water (provided dilute Acetic Acid is present)
pH	3.5 (due to residual Acetic Acid)	Vapour Pressure	As for water
Vapour Density (Air=1)	Not available	Evaporation Rate	Not available
Odour Threshold	Not available	Viscosity	Not available
Volatile Component	Percent volatile by volume: > 60% (water content)	Density	1.01 g/L at 20°C
Flash Point	Not applicable	Flammability	Non-combustible
Auto-Ignition Temperature	Not available	Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable		

## 10. STABILITY AND REACTIVITY

#### Chemical Stability

Stable under normal conditions of storage and handling.

#### Reactivity and Stability

Reacts with incompatible materials.

#### Conditions to Avoid

Extremes of temperature and direct sunlight. Neutralising the Acetic Acid will cause precipitation of Copper silicate.

#### Incompatible materials

Alkaline materials will react and precipitate the Copper silicate. Will slowly react and corrode Aluminium, Copper, Zinc, etc surfaces.

#### Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes, smoke and gases including mists containing dilute copper silicate & acetic acid.

#### Possibility of hazardous reactions

Not available

#### Hazardous Polymerization

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

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### **Toxicology Information**

Toxicity data available for this material is given below.

#### **Acute Toxicity - Oral**

LD50 (rat): >2000 mg/kg (estimation based on the ingredients)

#### **Ingestion**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

#### **Inhalation**

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

#### **Skin**

May be irritating to skin. The symptoms may include redness, itching and swelling.

#### **Eye**

May be irritating to eyes. The symptoms may include redness, itching and tearing.

#### **Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

#### **Skin Sensitisation**

Not expected to be a skin sensitiser.

#### **Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

#### **Carcinogenicity**

Not considered to be a carcinogenic hazard.

#### **Reproductive Toxicity**

Not considered to be toxic to reproduction.

#### **STOT-single exposure**

Not expected to cause toxicity to a specific target organ.

#### **STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

#### **Aspiration Hazard**

Not expected to be an aspiration hazard.

## 12. ECOLOGICAL INFORMATION

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### **Ecotoxicity**

Harmful to aquatic life. May cause a localised environmental hazard.

### **Persistence and degradability**

The acetic acid is biodegradable.

### **Mobility**

The copper silicate will precipitate when neutralised, and become immobile.

### **Bioaccumulative Potential**

Not available

### **Other Adverse Effects**

Not available

### **Environmental Protection**

Prevent this material entering waterways, drains and sewers.

## 13. DISPOSAL CONSIDERATIONS

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### Disposal considerations

Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

## 14. TRANSPORT INFORMATION

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### Transport Information

Road and Rail Transport (ADG Code):

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

Marine Transport (IMO/IMDG):

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

### U.N. Number

None Allocated

### UN proper shipping name

None Allocated

### Transport hazard class(es)

None Allocated

### IMDG Marine pollutant

No

### Transport in Bulk

Not available

### Special Precautions for User

Not available

## 15. REGULATORY INFORMATION

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### Regulatory information

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

### Poisons Schedule

Not Scheduled

### Other Information

APVMA: Copper Silicate is approved to be used in this product. APVMA Approval No.55689/0602.

## 16. OTHER INFORMATION

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### Date of preparation or last revision of SDS

SDS created: December 2019

### References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of Classification and Labelling of Chemicals.

## **END OF SDS**

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