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**REFERENCE:** 02-02317

**REPORT ON:** Material Safety Data Sheet  
Beat-A-Bug Insect Spray

**FOR:** Beat-A-Bug Corporation

**PREPARED BY:** Prof J Spickett

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# **BEAT-A-BUG INSECT SPRAY**

## **MATERIAL SAFETY DATA SHEET**

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### **STATEMENT OF HAZARDOUS NATURE**

#### **COMPANY DETAILS**

Manufacturer/Supplier: Beat-A-Bug  
Address: 14 Owen Rd  
Darlington  
Western Australia 6070  
Telephone Number: (08) 9299 8009  
Emergency Telephone Number: (08) 9299 8009  
Or Mobile: 0414 853 324  
Fax number: (08) 9299 8009

#### **PRODUCT IDENTIFICATION**

Product Name: Beat-A-Bug Insect Spray (Ready-to-Use)  
Product Use: Organically based pesticide spray  
Manufacturers Product Code: 001  
Container size and type: 750 ml, 1 litre and 5 litre plastic containers.

Skin:	Contact with the skin may cause a mild irritation or allergic reaction
Inhalation:	Can irritate the respiratory system
<i>Chronic:</i>	Both Potassium sorbate and Sodium benzoate are used as preservatives in foods, and are known to have low toxicities. No data on adverse chronic health effects in humans was found for the other ingredients.

### FIRST-AID MEASURES

Swallowed:	Give water or milk to drink. Do not induce vomiting.
Eye:	Any material that contacts the eye should be washed out immediately with water. Seek medical attention if symptoms occur.
Skin:	Wash skin with soap and water.
Inhalation:	If symptomatic, move to an area with well ventilated air. Seek medical attention if symptoms persist.
First-Aid Facilities:	Not specified
Note to Doctor:	Not specified.

### PRECAUTIONS FOR USE

Exposure standards:	Not established.
Engineering controls:	The user should avoid inhalation of vapour. When used in an enclosed space, local exhaust ventilation should suffice.
<b>Personal protection:</b>	The user should avoid eye, skin and respiratory contact. Care should be taken when using the substance in confined spaces.
Respiratory:	Wear appropriate respiratory protection when working with the product.
Skin:	Rubber or plastic protective gloves and protective clothing should be worn at all times when handling product.

## PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid
Odour:	Garlic
Specific Gravity (H <sub>2</sub> O = 1):	Not available
Vapour Pressure:	Not available
Boiling Point:	100°C
Flashpoint:	None
Flammability Limits:	Not specified
Solubility in Water:	Is a water-based product

## INGREDIENTS

Component	CAS Registry No.	Proportion
Garlic extract	8008-99-9	150g/litre
Chilli extract	Not assigned	40g/litre
Piperonyl butoxide	51-03-6	16g/litre
Pyrethrum	8003-34-7	4g/litre
Preservatives/Emulsifiers	Not assigned	<2 %
Water	7732-18-5	to 100%

## HEALTH HAZARD INFORMATION

### Health Effects

Garlic is an eye, nose, throat and skin irritant in high doses.

The active ingredient of chilli extract is capsaicin, which is considered a moderate irritant to human skin and a strong irritant to mucous membranes such as the eyes, nose and throat.

### Acute:

Swallowed:	Harmful if swallowed. Can irritate the intestinal system.
Eye:	Direct contact with the eye can result in irritation

Eye: Personnel handling material should wear goggles when handling product.  
Other: Wash thoroughly after use.

Flammability: Not flammable under conditions of use.

<b>SAFE HANDLING INFORMATION</b>
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**Storage and Transport:**

Location:	Store in the original container in a cool, dry place.
Bunding:	Not applicable.
Security:	Keep out of reach of children.
Ventilation:	No special requirements.
Temperature Conditions:	Normal room temperature.
Protection from Sunlight:	Store away from direct sunlight.
Storage Incompatibilities:	None.
Dangerous Goods class:	Non-dangerous goods.
Transport Requirements:	No special transport requirements necessary.
Fire Hazard:	Not flammable.

**Spills and Disposal:**

Spills: Avoid conditions that can puncture container. Should spills occur, those cleaning up should wear protective clothing, skin, eye and respiratory protection. Surfaces should be cleansed with water. Avoid contamination of water bodies such as streams or ponds.

Disposal: Empty containers should be rinsed thoroughly with detergent and water and disposed of according to appropriate regulations.

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