

**SECTION 1 - IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY****Ausgro Technologies Pty Ltd****Phone: 03 9793 0299****PO Box 2003****East Dandenong Vic 3175****Trade Name:** Sharp Shooter Natural Pyrethrum Insect Spray Concentrate**Product Use:** A Home garden insecticide for the control of insect pests.**Creation Date:** February, 2004**Revision Date:** July, 2015**Section 2 - Hazards Identification**

Based on available information, not classified as hazardous according to criteria of ASCC; NON-HAZARDOUS SUBSTANCE.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

**Poisons Schedule:** None allocated.

**Section 3 - Composition/Information on Ingredients**

**Product Description:** General insecticide for the control of aphids, thrips, caterpillars, ants, flies, earwigs and cabbage moths on various plants. Yellow liquid with a mild odour.

<b>Components / CAS Number</b>	<b>Concentration (g/L)</b>	<b>Risk Phrases</b>
Pyrethrins (pyrethrum) 8003-34-7	0.4%	R20/21/22 R50/53
Piperonyl butoxide 51-03-6	1.6%	
Emulsifier	1-<10%	
Water 7732-18-5	to 100%	

**Section 4 - First Aid Measures**

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764766) or a doctor.

**Inhalation:** Remove victim from area of exposure - avoid becoming a casualty. Seek medical advice if effects persist.

**Skin Contact:** If skin contact occurs, remove contaminated clothing and wash skin with soap and water. If irritation occurs, seek medical advice.

**Eye Contact:** If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice and show this MSDS.

**Ingestion:** Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

**Medical attention and special treatment:** Treat symptomatically.

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## Section 5 - Fire Fighting Measures

**Hazards from combustion products:** Non-combustible material.

**Precautions for fire fighters and special protective equipment:** Not combustible, however following evaporation of the water component of the material, the residual material can burn if ignited. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

**Suitable Extinguishing Media:** Not combustible, however, if material is involved in a fire use: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

## Section 6 - Accidental Release Measures

**Methods and materials for containment and clean up:** Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers. If contamination of sewers or waterways has occurred advise local emergency services.

## Section 7 - Handling and Storage

**Conditions for safe storage:** Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Keep containers closed when not in use - check regularly for leaks.

**Precautions for safe handling:** Keep out of reach of children. Avoid skin and eye contact.

## Section 8 - Exposure Controls and Personal Protection

### Occupational Exposure Limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for constituent(s):

Pyrethrum: 8hr TWA = 5 mg/m<sup>3</sup>, Sen

As published by the National Occupational Health and Safety Commission.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

'Sen' Notice - sensitiser. The substance can cause a specific immune response in some people. An affected individual may subsequently react to exposure to minute levels of that substance.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

**Engineering controls:** Natural ventilation should be adequate under normal use conditions.

**Personal Protective Equipment:** Avoid contact with eyes and skin. Do NOT inhale spray mist. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

## Section 9 - Physical and Chemical Properties:

**Physical state:** Liquid

**Colour:** Yellow

**Odour:** Mild

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**Solubility:** Emulsifiable with water. in water.

**Specific Gravity:** 0.985

**Relative Vapour Density (air=1):** N Av

**Vapour Pressure (20 °C):** N Av

**Flash Point (°C):** N App

**Boiling Point/Range (°C):** N Av

**pH:** N App

**Evaporation Rate:** N Av

## Section 10 - Stability and Reactivity

**Chemical stability:** Stable under normal conditions of use.

## Section 11 - Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Ingestion:** No adverse effects expected, however, large amounts may cause nausea and vomiting.

**Eye contact:** May be an eye irritant.

**Skin contact:** Contact with skin may result in irritation. May cause skin sensitisation in sensitive individuals. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

**Inhalation:** Material may be irritant to the mucous membranes of the respiratory tract (airways).

**Long Term Effects:** No information available for the product.

**Toxicological Data:** For the constituent However, for constituent(s) (1):

Oral LD50 (rat): 1030-2370 mg/kg (pyrethrum); 7500 mg/kg (piperonyl butoxide)

Dermal LD50 (rat): >1500 mg/kg (pyrethrum)

## Section 12 - Ecological Information

**Ecotoxicity:** Avoid contaminating waterways.

**Aquatic toxicity:** Toxic to fish.

## Section 13 - Disposal Considerations

**Disposal:** Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.

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## Section 14 - Transport Information

**Road and Rail Transport:** Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

**Marine Transport:** Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

**Air Transport:** Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

## Section 15 - Regulatory Information

**Classification:** Based on available information, not classified as hazardous according to criteria of ASCC; NON HAZARDOUS SUBSTANCE.

**Poisons Schedule:** None allocated.

This product is registered in Australia by the Australian Pesticides & Veterinary Medicines Authority (APVMA).

## Section 16 - Other Information

**This MSDS contains only safety-related information. For other data see product literature.**

### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Number</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]