

**Product Name: Multicrop EcoPest<sup>®</sup> Oil  
Insect Spray Concentrate**

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### Section 1 – Product and Company Identification

Multicrop (Aust) Pty Ltd

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**Chemical Family:** Water emulsifiable petroleum oil, based on severely hydro-treated paraffinic mineral oil with aliphatic emulsifiers/surfactants.

**Trade Names:** Multicrop EcoPest<sup>®</sup> Oil Insect Spray Concentrate

**Product Code:** 91210

**UN Number:** Not Applicable

**Dangerous Goods Class:** Not Applicable

**Hazchem Code:** Not Applicable

**Poisons Schedule Number:** Not Applicable

### Section 2 – Composition/Information on Ingredients

**Generic composition:** Severely hydro-treated paraffinic mineral oils and aliphatic non-ionic emulsification additives.

Ingredients determined hazardous to health	R Phrase	CAS No	%w/w
Natural alcohol ethoxylate (Mixture)	R38	68526-94-3	<7%
Severely Hydrotreated. Heavy Paraffinic Distillates	-	64742-54-7	to 100%

This product is not hazardous to health as defined by the Worksafe Australia criteria.  
See Section 15 for regulatory information.

### Section 3 – Hazards Identification

**Effects of overexposure:** No significant effects expected. Ingestion in large quantities may cause nausea, sickness and diarrhoea.

**Special Hazards of product after use:** The risk of skin disorders may be increased if product becomes contaminated.

### Section 4 – First Aid Measures

**Eye contact:** Hold eyes open under running clean water for at least 15 minutes until any irritation subsides. If irritation persists, obtain medical attention.

**Skin contact:** Remove any contaminated clothing including shoes. Wash contact areas with soap and water at intervals dictated by good standards of industrial hygiene.

#### MATERIAL SAFETY DATA SHEET

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<b>Inhalation:</b>	Not expected to be a problem. Remove to fresh air. If effects persist, seek prompt medical attention.
<b>Ingestion:</b>	DO NOT INDUCE VOMITING. Wash mouth out with water. Give 1 to 2 glasses of water and obtain immediate medical attention showing this sheet.
<b>Pressure Injection:</b>	ALWAYS OBTAIN IMMEDIATE MEDICAL ATTENTION EVEN THOUGH THE INJURY MAY APPEAR MINOR.
<b>Note to physicians:</b>	Treat symptoms with reference to specific health effects identified above and outlined in Section 11.

## Section 5 – Fire Fighting Measures

<b>Flash Point °C,(PM Closed Cup):</b>	>160.0
<b>Flammability:</b>	Not classified as flammable, but is inherently combustible.
<b>Extinguishing media:</b>	Use foam, dry chemical powder or CO <sub>2</sub> . Never use water.
<b>Special fire fighting procedures:</b>	Water may cause boil over danger. Foam may cause frothing. Only use water to cool outsides of fire-exposed containers. Prevent run-off from entering drains, sewers waterways etc.
<b>Special protective equipment:</b>	For fires in enclosed areas, firefighters must wear self-contained breathing apparatus and eye protection.
<b>Unusual fire and explosion hazards:</b>	None.
<b>Flammability limits (%v/v in air):</b>	<b>LEL:</b> 1.5 <b>UEL:</b> 6.0
<b>Products of combustion:</b>	Oxides of carbon, water vapor, unidentified organic compounds and dense irritating smoke.

## Section 6 – Accidental Release Measures

<b>Notification procedures:</b>	Report spills as required to appropriate authorities such as the local Environmental Health Officer or Fire Brigade. If spills are likely to enter any drain, waterway or groundwater, contact the Area Water Authority. In case of accident or road spill, contact the Police and Fire Brigade, and if appropriate the Area Water Authority.
<b>Environmental precautions:</b>	Prevent spills from entering sewers, drains etc and contact with soil areas.
<b>Decontamination procedures:</b>	Contain spill and absorb in earth, sand or other suitable inert absorbent material. Collect solids into a suitably labeled sealable container for disposal. Dispose of at an appropriate licensed waste disposal site in accordance with current applicable laws and regulations and product characteristics at time of disposal.
<b>Personal precautions:</b>	Good standards of industrial and personal hygiene are recommended. See Section 8.

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THIS MSDS SUMMARISES TO OUR BEST KNOWLEDGE AS AT THE ISSUE DATE THE CHEMICAL HEALTH AND SAFETY HAZARD OF MATERIAL AND GENERAL GUIDANCE ON HOW TO SAFELY HANDLE THE MATERIAL. MULTICROP(AUST) PTY LTD CANNOT CONTROL OR ANTICIPATE THE CONDITION AND ENVIRONMENT UNDER WHICH THE PRODUCT IS USED OR STORED, EACH USER MUST, PRIOR TO USE, UNDERSTAND ANY RISK ARISING FROM USE OF THE MATERIAL IN THE COMPOSITION OF THIS PRODUCT.

## Section 7 – Handling & Storage

<b>Handling:</b>	Provide suitable mechanical equipment for handling drums and packaging. No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.
<b>Storage:</b>	Do not store in open or in unlabelled containers. Store undercover away from ignition sources, strong oxidising agents or flammable materials. Keep away from food and drink. Compatible with most common metals of construction; may soften certain rubbers – use resistant seals. A bunded storage area may be required.
<b>Storage temperature:</b>	-10°C to 60°C.

## Section 8 – Exposure Controls/Personal Protection

<b>Occupational Exposure Limits</b>	<b>Substance</b>	<b>8-hour TWA</b>	<b>STEL</b>	<b>Source/other information</b>
	Severely refined mineral oil mist	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	Occupational Exposure Limits (EH40)
<b>Ventilation:</b>		No special requirements under ordinary conditions of use and with adequate ventilation.		
<b>Respiratory protection:</b>		No special requirements under ordinary conditions of use and with adequate ventilation.		
<b>Eye protection:</b>		Normal industrial eye protection practices should be employed.		
<b>Skin protection:</b>		No special equipment required. However, good personal hygiene practices should always be followed. Suitable barrier creams may be helpful when prolonged and repeated skin contact with product is likely.		
<b>Engineering controls:</b>		Local exhaust ventilation is recommended when excessive product misting occurs.		

## Section 9 – Physical and Chemical Properties

<b>Physical state:</b>	Liquid.
<b>Colour:</b>	Bright and clear colourless to pale yellow.
<b>Odour:</b>	Mild.
<b>Density at 15°C (kg/L):</b>	0.835
<b>pH at 20°C (3%vol in tap water):</b>	7.0 to 8.5
<b>Vapour pressure at 20°C (mm Hg):</b>	<0.01
<b>Vapour density (air=1):</b>	>2.0
<b>Boiling point (°C):</b>	Approx. 300

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## Section 12 – Ecological Information

**Biodegradability:** <50% (CEC L-33-T-82) **Chemical oxygen demand (mgO<sub>2</sub>/L):** Not determined

Not readily biodegradable but inherently biodegradable.

Leaching and penetration through surface soils is generally regarded as resulting in long-term persistence.

Fresh or used product may be harmful to aquatic life.

## Section 13 – Disposal Considerations

The product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. The local authority may limit such burning. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any licensed waste disposal site or can be removed by approved waste contractors. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

## Section 14 – Transport Information

<b>Classification for transport:</b>	Not classified as hazardous for transport		
<b>Shipping name:</b>	Not applicable.		
<b>UN number:</b>	None allocated	<b>Packing group:</b>	Not applicable.
<b>UN class:</b>	None allocated	<b>Marine pollutant:</b>	No
<b>ADR/RID:</b>	Not regulated by ADR/RID.		
<b>ICAO/IATA class:</b>	Not regulated by ICAO/IATA.		
<b>ACTDG class:</b>	Not regulated by ACTDG.		
<b>IMO class:</b>	Not regulated by IMO.		

## Section 15 – Regulatory

<b>Hazard label data:</b>	Not classified.
<b>R &amp; S Phrases:</b>	Not Applicable.
<b>AS 1940 Classification:</b>	Class C2 combustible liquid.

## Section 16 – Other Information

Occupational Exposure Limits: - When a time weighted average (TWA) concentration for an 8 hour day, 5 day week has not been established by Worksafe Australia for any product or material, a blanket recommendation 5 mg/m<sup>3</sup> for respirable vapours, dusts and mists is to be used.

The information given herein relates only to the specific material designated and is offered in good faith as being accurate and reliable as of the date indicated, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. None of the information given is intended as a recommendation for uses, which infringe valid patents, or as extending license under valid patents.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others that may be affected, of any hazards described in this sheet and of any precautions, which should be taken.

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