

Biocover™LS

Date of Issue: 30 July 2007

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Mixture of severely hydrotreated neutral base oil and additives

Recommended use: Fungicide and Insecticide in Grape vines and other crops

Supplier: Elliott Technologies Limited
PO Box 838
Pukekohe
Phone 0800 100 325

Emergency telephone number: 0800 Poison (0800 764 766) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: 6.1E, 6.3B, 9.1B
Warning: This material may be harmful if swallowed. May cause skin irritation.

Required identification Details: This formulation is colourless, oily liquid with no noticeable odour.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Petroleum Oil	72623 - 84 - 8	98.0
Inert Ingredients		2.0

4. FIRST-AID MEASURES

Description of necessary first aid measures:

Effects and symptoms Potential Adverse Health Effects: Pre-existing skin or respiratory disorders may be aggravated by excessive exposure. Prolonged or repeated contact may cause skin irritation characterized by dermatitis or oil acne. This product is not listed as a potential carcinogen.
Dermal Contact: This formulation may cause irritation to eyes, skin and other exposed areas.

First-aid measures

Inhalation:

Remove to fresh air. If breathing is difficult, please administer oxygen. If breathing stops administer artificial respiration. Seek medical attention.

Ingestion:

Drink 1 to 2 glasses of water. DO NOT INDUCE vomiting. Call a physician to get medical attention.

Skin contact:

Remove all contaminated clothing. Wash skin, hair and fingernails thoroughly with soap and water. If irritation persists seek medical attention. Wash clothing before reuse. Be sure and wear the proper protective equipment.

Eye contact:

Flush with running water for at least 15 minutes while holding open eyelids to help flush out material. Seek medical attention.

Notes to a physician:

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

HAZCHEM Code:

2X

Extinguishing media :

May be combustible at high temperature. Use dry chemical, carbon dioxide, foam, water spray or fog.

Unusual Fire or Explosion Hazards:

If water is used to fight fire or cool containers, contain run-off, using dikes to prevent.

Protection of fire-fighters:

Wear self-contained breathing apparatus and full- protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid contact.

Environmental precautions:

Eliminate all ignition sources. Stop leak if without risk. Contain the spill by absorbing the spilled liquid with clay or other absorbent material; scoop or sweep up material and place in container.

Methods for cleaning up:

Decontaminate the area by washing with soapy water solution and absorbing the water with absorbent material. Follow all local, state and federal regulations for proper disposal.

7. HANDLING AND STORAGE

Handling:

Avoid inhalation and skin contact especially when handling used oil. Keep away from ignition sources. Do not reuse empty containers without commercial cleaning or reconditioning. Practice good personal hygiene. Wash hands after handling and before eating. Launder work clothes frequently. Discard saturated leather gloves.

Storage:	Store in a cool, dry, isolated, well-ventilated area away from incompatibilities. Do not contaminate water supplies by handling and storage of product.
Packaging materials:	20, 200 and 1000 litre plastic.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Workplace exposure standards:	Not established
Application in the workplace:	Not established
Exposure Standards outside: The workplace:	Not established

Engineering measures

Exposure control measures:	None Specified.
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Ventilation specification:	Not normally required. Work in a well-ventilated area. If user's operations generate vapours or mists, use ventilation to keep exposure to airborne contaminants below exposure limit. Make-up air should always be supplied to balance air removed by exhaust ventilation. Ensure that eyewash station and safety-shower are close to the work-station.
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Personal Protective Equipment

Detail specifications for equipment:	Long-sleeve shirt and long pants, protective eyewear, chemical-resistant gloves such as barrier laminate, nitrile rubber, butyl rubber, neoprene rubber or viton and shoes and socks. Maintain the PPE accordingly to manufacturer's instructions. If there are no instructions for the washables, use detergent and hot water. Keep and wash PPE separately from other domestic laundry.
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Respiratory system:	When concentrations in air may exceed the occupational exposure limits and where engineering, work practices or other means of exposure reduction are not adequate. Wear approved respirator to prevent overexposure by inhalation.
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Skin and body:	Wear protective clothing: long-sleeved shirts and pants, shoes with socks. Wear chemical-resistant gloves, shoes and socks.
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Hands:	Wash hands after use.
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Eyes:	Chemical goggles, safety glasses and/or face shield
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General hygiene:	Wash exposed skin after use.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Odor:

Physical State, colour & odour::	Colourless to light yellow viscous liquid. No odour or slight petroleum oil like.
pH:	NA
Vapour Pressure:	Negligible at ambient temperature and Pressure.
Vapour Density:	NA
Boiling Point:	NA
Freezing/melting point:	NA
Solubility:	Insoluble
Specific gravity or density:	0.8545- 0.863 @ 59°F
Flash Point	166°C (Cleveland Closed Cup)
Octanol/water partition coefficient:	NA
Explosion properties:	NA
Oxidation properties:	Not an Oxidizer
Comments:	<u>Note:</u> These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	Excessive heat
Materials to avoid:	Strong oxidizers, reducing agents, acids and bases.
Hazardous decomposition Products:	Incomplete combustion may lead to formation of oxides of carbon, irritating vapours and/or other asphyxiates.
Hazardous polymerization:	Will not occur
Specific Data:	
Hazardous reactions :	None known

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral :	LD50 - 2000 mg/kg
Acute toxicity - Dermal :	LD50 - 2000mg/kg
Acute toxicity – Inhalation:	LC50 (rat) - 5mg/m3 (4 HR)
Skin irritation :	This product may be skin sensitizer in some individuals.
Eye irritation:	Repeated or prolonged contact may cause transient irritation, but no permanent damage.
Inhalation:	Negligible breathing hazard at normal temperatures (up to 39 °C) or recommended blending temperatures. Elevated temperatures or mechanical action may form vapors, mists or fumes. Inhalation of oil mists or vapors from hot oil may cause irritation of the upper respiratory tract
Injection:	Low to moderate toxicity

Chronic toxicity :	None known
Carcinogenicity:	Not a carcinogen
Mutagenicity:	Not Mutagenic
Reproduction toxicity:	Not a Reproductive toxin
Other information :	

12. ECOLOGICAL INFORMATION

Ecotoxicity
Aquatic
Fish

This product is toxic to fish and other aquatic organisms. Do not apply directly to water, or to areas where surface water is present or to inter-tidal areas below the mean high water mark. Do not contaminate water supplies when cleaning equipment or disposing of equipment wash waters.

13. DISPOSAL CONSIDERATIONS

Methods of disposal :

Ensure unwanted product is used by another operator strictly in accordance with label directions.

CONTAINER DISPOSAL: Ensure container is completely empty. Recycle through the Agrecovery scheme or burn if permitted and circumstances, especially wind direction allow, otherwise bury in landfill.

14. TRANSPORT INFORMATION

International transport regulations

International transport regulations:

UN number:	3082
Land - Road/Railway	DG Class 9
Proper shipping name :	Environmentally hazardous substance, Liquid, N.O.S.,

15. REGULATORY INFORMATION

ACVM Registered Number:	P7191
HSNO Approval Code:	HSR000710

16. OTHER INFORMATION

Additional information:

Disclaimer

This Safety Data Sheet is based on the most recent information available. To the extent permitted by law, users of this information accept that neither the manufacturer, Elliott Technologies Limited as distributor,

nor any other distributor have any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply of these information.

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