

Material Safety Data Sheet

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Infosafe No. 3NU6L Issue Date : June 2006 ISSUED by CRPCARE

Product Name : CORVETTE LIQUID Fungicide

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name CORVETTE LIQUID Fungicide
Product Code 5154
Product Type Group B Fungicide
Company Name Crop Care Australasia Pty Ltd (ABN 53 061 362 347)
Address Unit 15/16 Metroplex Avenue Murarrie
Queensland 4172 Australia
Emergency Tel. 1800 033 498
Telephone/Fax Number Tel: (07) 3909 2000 Fax: (07) 3909 2010
Recommended Use For control of certain fungal diseases in various crops and situations as specified in the Directions for Use table on the label.
Other Information This MSDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

2. HAZARDS IDENTIFICATION

Hazard Classification HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.
Risk Phrase(s) R40(3) Possible risk of irreversible effects.
Other Information Poisons Schedule S5

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Liquid

Ingredients	Name	CAS	Proportion
	Liquid Hydrocarbon		332 g/L
	Iprodione	36734-19-7	250 g/L
	Other Ingredients		Balance

4. FIRST AID MEASURES

Inhalation Remove affected person to fresh air until recovered.
If symptoms develop or persist, seek medical advice.
Ingestion If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Rinse mouth and then drink plenty of water.
Skin Wash affected areas thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.
Eye If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.
Seek medical advice if irritation develops or persists.
Advice to Doctor Treat symptomatically.
If vomiting occurs, solvent present may cause pulmonary pneumonitis.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Water fog, foam, carbon dioxide or dry chemical.

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Hazards from Combustion Products	If involved in a fire, it will emit oxides of carbon, oxides of nitrogen and possibly hydrogen chloride.
Speical Protective Equipment for fire fighters	Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.
Specific Hazards	Considered low risk due to water content, however upon evaporation of water the product is combustible.
Hazchem Code	2X

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal. On-site disposal of concentrate is not acceptable.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Do NOT contaminate dams, rivers or streams, or any other water bodies with chemical or used containers.
Conditions for Safe Storage	Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.
Other Information	Always read the label and any attached leaflet before use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standard for this product has been set, however, an exposure standard has been set for mineral oil at 5 mg/m3.
Engineering Controls	Handle in well ventilated areas, generally natural ventilation is adequate.
Personal Protective Equipment	When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles.
Hygiene Measures	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.
Requirements Concerning Special Training	NSW regulations require that people who use pesticides in their job or business must have training in the application of the materials. By 1st September, 2005 all users must have received such training.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Appearance	Liquid
Solubility in Water	Disperses in water.
Specific Gravity	1.014
Vapour Pressure	5×10^{-4} mPa @ 25°C for iprodione
Volatile Component	33% (water)
Octanol/Water Partition Coefficient	Kow Log P is 3.0 (pH3 to pH5 for iprodione)
Flammability	Non combustible material.

10. STABILITY AND REACTIVITY

Chemical Stability	Hydrolyses at pH >7.
Incompatible Materials	Avoid contact of the concentrate with strong acids and bases.
Hazardous Reactions	Keep away from strong oxidising agents.

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11. TOXICOLOGICAL INFORMATION

Inhalation May cause irritation to the respiratory tract if mists or aerosols are inhaled.

Ingestion Low toxicity.
However, swallowing large amounts of concentrate may cause nausea and vomiting.
If aspirated into the lung, e.g. from vomiting, the presence of mineral oil may result in chemical pneumonitis or other lung damage.

Skin Prolonged contact with the concentrate may cause irritation.

Eye The concentrate may cause irritation of the eyes.

Carcinogenicity Worksafe Australia has classified iprodione in the occupational environment as a Carcinogen Category 3 substance. This means that the substance is not classifiable as to carcinogenicity to humans.

Acute Toxicity - Oral LD50 (rat) >2000 mg/kg for iprodione

Acute Toxicity - Dermal LD50 (rat) >2000 mg/kg for iprodione

Acute Toxicity - Inhalation LC50 (rat) (4hr) >5.16 mg/l for iprodione

Eye Irritation Not an eye irritant.

Skin Irritation Not a skin irritant.

Other Information The Australian Acceptable Daily Intake (ADI) for iprodione for a human is 0.04 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 4 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing, 'ADI List', TGA, December 2004).

12. ECOLOGICAL INFORMATION

Persistence / Degradability Half life in soil is typically 20 - 80 days.

Known Harmful Effects on the Environment The product is a marine pollutant for sea transport.

Other Precautions Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

Environ. Protection Spray drift should be avoided, read the label for more information.

Acute Toxicity - Fish The following is data for the active ingredient, iprodione.
LC50 (96 hr) for rainbow trout is 4.1 mg/l.
LC50 (96 hr) for bluegill sunfish is 3.7 mg/l.

Acute Toxicity - Daphnia EC50 (48hr) is 0.25 mg/l.

Acute Toxicity - Other Organisms Birds: Not toxic to birds. LD50 for bobwhite quail is >2000 mg/kg
LD50 for mallard duck is 10,400 mg/kg
Bees: Not toxic to bees. LD50 >400 µg/bee.

13. DISPOSAL CONSIDERATIONS

Product Disposal On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemCollect).

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Container Disposal Do not use this container for any other purpose.
Triple rinse containers, add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations.
drumMUSTER is the national program for the collection and recycling of empty, cleaned, non returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMuster symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program.
If recycling, replace cap and return clean containers to recycler or designated collection point.
If not recycling, puncture or shred and bury containers in local authority landfill.
If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.
Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

U.N. Number None Allocated
DG Class None Allocated
Hazchem Code 2X
Packing Group None Allocated
Storage and Transport Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.
UN Number (Sea Transport) 3082
IMO Class/Packing Group Class 9
IMO Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

15. REGULATORY INFORMATION

Poisons Schedule S5
Packaging & Labelling CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Hazard Category Harmful
AICS (Australia) All of the components in this product are listed on the Australian Inventory of Chemical Substances.

16. OTHER INFORMATION

Contact Person/Point Normal Hours: Mr Volker Maier Phone: (03) 9282 1000
After Hours: Shift Supervisor Phone: 1800 033 498
Revisions Highlighted The MSDS was reviewed. Minor changes were made to the information.
...End Of MSDS...