



## SAFETY DATA SHEET CAVALRY 720 SC Fungicide

### Section 1: Identification of the Substance and Supplier

**Product name :** CAVALRY 720 SC  
**Chemical name of active Ingredient(s):** Chlorothalonil (ISO)  
**Supplier:** ADAMA New Zealand Limited  
Level1/19 Elms Street, Wakatu Estate, Stoke, Nelson, New Zealand  
P.O. Box 1799, Nelson New Zealand.  
**Telephone** +64 3 5438275 Fax: +64 3 5438274  
**Emergency Telephone:** 0800 POISON (0800 764 766)

### Section 2: Hazards Identification

**Hazard Classifications:** 6.1B, 6.3B, 6.4A, 6.5B, 6.7B, 6.9A, 9.1A, 9.2B, 9.3B

**Most important hazards:** **TOXICITY**  
**Toxic –**  
May be fatal if swallowed, inhaled or absorbed through the skin.  
May cause kidney damage from repeated oral exposure at high doses.  
**Harmful –**  
May cause skin and eye irritation.  
May cause sensitisation from prolonged skin contact.  
Suspected of causing cancer.  
Avoid contact with skin and eyes.  
**ECOTOXICITY**  
Very toxic to aquatic organisms.  
Avoid contamination of any water supply with product or empty container.  
Toxic to the soil environment. Toxic to terrestrial vertebrates.

### Section 3. Composition/information on Ingredients

Substance/preparation	Preparation				
<b>Information on hazardous ingredients *</b>					
Common name	CAS No.	Value	EC Number	Symbol	R-Phrases
Chlorothalonil (ISO)	001897-45-6	72%	217-588-1	T, N	Carc. Cat.3 R40 N; R50-53

- **Occupational Exposure Limit(s), if available, are listed in section 8**

### Section 4: First-Aid Measures

**First-aid:**  
**Inhalation:** Remove victim to fresh air. Keep victim warm and at rest. give oxygen. Obtain medical attention.  
**Ingestion:** **Do not induce vomiting.** Never give anything by mouth to an unconscious person.  
Seek medical advice.  
**Skin contact:** Remove contaminated clothing. Wash away remainder with water and Soap.  
Followed by a warm water rinse.  
**Eye contact:** Rinse immediately with plenty of water. Maintain eyelids open.  
Contact ophthalmologist immediately



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### Section 5: Fire-Fighting Measures

#### Extinguishing media

**Suitable:** Dry chemical, alcohol resistant foam, water spray, carbon dioxide.

**Protection of fire-fighters:** Do not enter fire area without proper protective equipment, including respiratory protection.

### Section 6: Accidental Release Measures

**Personal precautions:** Wear appropriate protective clothing. (see section 8)

**Environmental precautions:** Prevent entry into sewers and public waters.

**Methods for cleaning up:** Sweep or shovel spills into appropriate container for disposal.

### Section 7: Handling and Storage

**Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**Storage:** Store in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs, under lock and key.  
As a Class 9 Substance with Ecotoxicity Classifications storage of Cavalry Fungicide must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS 8409:2004) is followed as a means of meeting the secondary containment provisions of the HSNO Emergency Management Regulations.

**General:** Avoid all unnecessary exposure.

### Section 8: Exposure Controls/Personal Protection

**Industrial Hygiene:** Provide local exhaust or general room ventilation.  
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure

#### Personal protective equipment:

**Respiratory system:** Suitable respiratory equipment.

**Skin and body:** Skin protection appropriate to the conditions of use should be provided.

**Hands:** Wear suitable gloves resistant to chemical penetration.

**Eyes:** Chemical goggles or face shield.

### Section 9: Physical and Chemical Properties

**Physical state:** Liquid  
**Colour:** Slightly yellow  
**Odour:** Slightly characteristic  
**Density:** 1.28-1.32g/cm<sup>3</sup>  
**Flammability:** Not flammable  
**Log P octanol:** 2.92 (Chlorothalonil)



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### Section 10: Stability and Reactivity

#### Hazardous decomposition

**Products:** When heated to decomposition, emits dangerous fumes.  
**Hazardous reactions :** None under normal conditions.  
**Hazardous Properties:** None under normal conditions.

### Section 11. Toxicological Information

**Rat oral LD50 [mg/kg]:** >3000  
**Rabbit dermal LD50 [mg/kg]:** >4000  
**Rat inhalation LC50 [mg/1/4h]:** 0.7  
**Dermal irritation (rabbit):** Not irritating  
**Eye Irritation (rabbit):** Moderately irritating  
**Sensitization:** Non sensitizer

### Section 12: Ecological Information

**Common name:** Chlorothalonil  
**96 H-LC<sub>50</sub> – Fish [mg/l]:** 0.0704 (Poecilia reticulata)  
**48 H-LC<sub>50</sub> – Daphnia magna [mg/l]:** 0.07 (100% active ingredient)  
**120 H – EC50 Algae [mg/l]:** 0.21 (100% active ingredient)  
**LD<sub>50</sub> – Japanese quail [mg/l]:** >2000  
**Bees LD50 [µ/Bee]:** >100

### Section 13: Disposal Considerations

**Methods of disposal:** Container Disposal - Triple rinse empty container and add rinsate to spray tank.  
Burn in an appropriate incinerator, if circumstances such as wind direction permit.  
Otherwise crush or puncture and bury in a suitable landfill, or if appropriate, recycle.  
Avoid contamination of any water supply with product or empty container.

### Section 14: Transport Information

**UN Number** 2996  
**Proper shipping name** ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC (72% CHLOROTHALONIL)  
**DG Class** 6.1  
**Packing Group** III  
**Hazchem Code** 2X  
**Marine Pollutant** No  
**IER Guide page** 34

**National transport regulations:** Do not carry this product on a passenger service vehicle.

**Segregation:** Check the land transport Rule Dangerous Goods 1999, Rule 45001 for additional information. Sea transport may require additional segregation. Refer: NZS5433; Sea Segregation, or the International Maritime Dangerous Goods Code for details.



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### Section 15: Regulatory Information

#### New Zealand Regulatory Information:

**NZFSA Approval:**

Registered pursuant to the ACVM Act 1997. No P7346  
See [www.nzfsa.govt.nz/acvm](http://www.nzfsa.govt.nz/acvm) for registration conditions.

Approved pursuant to the HSNO Act 1996, Approval No. HSR000670  
See [www.ermanz.govt.nz](http://www.ermanz.govt.nz) for registration conditions.

**HSNO Classifications:**

6.1B, 6.3B, 6.4A, 6.5B, 6.7B, 6.9A, 9.1A, 9.2B, 9.3B



**ACUTE TOXIC**



**ECOTOXIC**

**APPROVED HANDLER:** This product must be under the control of an approved handler during use

**TRACKING:** this product must be tracked – see SDS for details

**RECORD KEEPING** - Records of use must be kept under certain circumstances – see The New Zealand Standards for Management of Agrichemicals (NZS8409) for details.

### Section 16: Other Information

Note: This product is a registered agricultural chemical and must be therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

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**HISTORY**

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