

# WELLFARM CHLOROTHALONIL 720 SC FUNGICIDE

**APVMA Product No:** 70415**Poison Schedule:** 6**Emergency Telephone Number:**

The Australian Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia)

Specialist Advice In An Emergency Only 1800 033 111 All Hours Australia Wide

In A Transport Emergency Dial 000 Police Or Fire Brigade

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Company:** Wellfarm Pty Ltd  
**Website:** www.wellfarm.com.au  
**Email:** info@wellfarm.com.au  
**Postal Address:** 22 Calypso Crescent, Point Cook, Vic 3030

**Product Name:** WELLFARM CHLOROTHALONIL 720 SC FUNGICIDE  
**Product Type:** Group M5 Fungicide  
**Formulation Type:** Suspension Concentrate  
**Product Use:** Agricultural Fungicide

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient (common name)	CAS Number	Proportion
Chlorothalonil	1897-45-6	720g/L
Ingredients deemed not to be hazardous	Proprietary	Balance

## 3. HAZARDS IDENTIFICATION

**HAZARDOUS SUBSTANCE. NONE DANGEROUS GOODS.**

Classified as hazardous according to the criteria of Safe Work Australia.

<b>Hazards</b>	T+ - Very Toxic N - Dangerous for the Environment
<b>Risk Phrases</b>	R26 - Very toxic by inhalation. R37 - Irritating to respiratory system. R40 - Limited evidence of a carcinogenic effect. R41 - Risk of serious eye damage. R43 - May cause sensitisation by skin contact. R50/53 - Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
<b>Safety Phrases</b>	S1/2 - Keep locked up and out of reach of children. S28 - After contact with skin, wash immediately with plenty of... (to be specified by the manufacturer). S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

# MATERIAL SAFETY DATA SHEET

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S60 - This material and its container must be disposed of as hazardous waste.

S61 - Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets.

## 4. FIRST AID MEASURES

<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.
<b>Ingestion</b>	If swallowed, do not induce vomiting. Wash mouth with water and give some water to drink. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms persist.
<b>Skin</b>	If skin or hair contact occurs, immediately remove contaminated clothing and wash skin and hair thoroughly. Seek medical attention if symptoms persist.
<b>Eyes</b>	If in eyes, hold eyelids apart and flush the eye continuously with large amounts of water for at least 15 minutes. Seek immediate medical attention.

## 5. FIRE-FIGHTING MEASURES

**For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.**

<b>Suitable Extinguishing Media</b>	Water fog, foam, carbon dioxide or dry chemical.
<b>Hazardous Combustion Products</b>	Toxic fumes of hydrogen chloride or phosgene.
<b>Firefighting Equipment</b>	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.
<b>Unusual Fire or Explosion Hazards</b>	Non combustible.
<b>Hazchem Code</b>	Not allocated.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Spills</b>	In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. Stop leak if safe to do so and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Collect into labelled containers for recycling or salvage and dispose of promptly.
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## 7. HANDLING AND STORAGE

<b>Handling</b>	Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Provide adequate ventilation.
<b>Storage</b>	Store in the closed, original container in a dry, well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. Keep container tightly sealed and do not store with seed, animal food or foodstuffs.

# MATERIAL SAFETY DATA SHEET

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Standards (Safe Work Australia)</b>	No exposure standards set.
<b>Engineering Controls</b>	This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.
<b>Respiratory Protection</b>	Respiratory protection not necessary. Avoid working in and breathing spray mist. If in doubt use a Safe Work Australia approved full face supplied air respirator if high airborne concentrations of the material are present. See Australian Standards AS/NZS 1715 and 1716 for more information.
<b>Eye Protection</b>	Protective glasses or goggles and face shield.
<b>Skin Protection</b>	Impervious elbow-length gloves, cotton overalls and washable hat.
<b>Hygienic Practices</b>	Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White opaque liquid
<b>Odour</b>	No information available.
<b>Solubility in water</b>	Disperses in water.
<b>Boiling Point</b>	No information available.
<b>Freezing Melting Point</b>	No information available.
<b>Vapour Pressure</b>	0.076 mPa @ 25°C ( for chlorothalonil)
<b>Vapour Density (Air = 1)</b>	No information available.
<b>Specific Gravity</b>	1.354
<b>Volatility (% by weight)</b>	~40%
<b>Flash Point</b>	No information available
<b>Flammable Limit – Lower</b>	No information available.
<b>Flammable Limit – Upper</b>	No information available.
<b>Autoignition</b>	No information available.
<b>Partition Coefficient</b>	Kow Log P is 2.92 (25°C, chlorothalonil)

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions of use.
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide and other toxic fumes.
<b>Hazardous Polymerization Conditions to Avoid</b>	Will not occur. Excessive heat.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicity</b>	<b>Chlorothalonil:</b> Oral LD50 ( rat ) > 4000 mg/kg Oral LD50 ( mouse ) > 5000 mg/kg Dermal LD50 (rabbit) > 4000 mg/kg Dermal LD50 (rat) > 1000 mg/kg
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# MATERIAL SAFETY DATA SHEET

	Inhalation LC50 (rat) = 0.1 mg/L - 4 hour <b>Reproductive Effects:</b> No evidence of reproductive effects. <b>Teratogenic Effects:</b> No evidence of teratogenic effects. <b>Mutagenic Effects:</b> No evidence of mutagenic effects. <b>Carcinogenic Effects:</b> Based on evidence from animal studies, chlorothalonil's carcinogenic potential is unclear. <b>Organ Toxicity:</b> Chronic studies of rats and dogs fed high dietary levels show that chlorothalonil is toxic to the kidney.
<b>Routes of Exposure</b>	Inhalation, ingestion, eye and skin
<b>Acute Health Effects</b>	Inhalation: Respiratory irritation may occur. Ingestion: Harmful if swallowed. May cause irritation to mouth, throat and stomach. Possible symptoms of exposure include: nausea, vomiting and central nervous system depression. Eye: Can cause severe eye irritation and possible damage. Skin: Can cause skin irritation.
<b>Chronic Health Effects</b>	Prolonged or repeated exposure may cause skin sensitisation.
<b>Existing Conditions</b>	No information available.
<b>Aggravated by Exposure</b>	
<b>Carcinogenicity</b>	Chlorothalonil is classified by Safe Work Australia as a Class 3 carcinogen, possibly carcinogenic to humans.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity and Mobility</b>	<b>Chlorothalonil:</b> Chlorothalonil is practically non-toxic to birds. <b>Birds:</b> Oral LD50 ( Mallard ducks) = 5000 mg/kg <b>Aquatic Organisms:</b> Chlorothalonil is highly toxic to fish, aquatic invertebrates, and marine organisms. LC50 96hr (Rainbow trout) = 0.25 mg/L LC50 96hr (Channel catfish) = 0.43 mg/L Chlorothalonil is non-toxic to bees.
<b>Mobility</b>	Chlorothalonil is moderately persistent. In aerobic soils, the half-life is from 1 to 3 months. Increased soil moisture or temperature increases chlorothalonil degradation.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal methods and containers</b>	Instructions concerning the disposal of this product and its containers are given on the product label. Dispose according to applicable local and state government regulations.
<b>Special precautions for landfill or incineration</b>	Please consult your state Land Waste Management Authority for more information.

## 14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

<b>UN Number</b>	Not applicable
<b>Proper Shipping Name</b>	Not applicable
<b>Dangerous Goods Class</b>	Not applicable

# MATERIAL SAFETY DATA SHEET

<b>Subsidiary Risk</b>	Not applicable
<b>Hazchem Code</b>	Not applicable
<b>Packing Group</b>	Not applicable
<b>Special Provisions</b>	Not applicable

**Sea Transport:**

<b>UN Number</b>	3082
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains chlorothalonil)
<b>Dangerous Goods Class</b>	9
<b>Hazchem Code</b>	2X
<b>Packing Group</b>	III
<b>Special Precautions</b>	Not applicable

## 15. REGULATORY INFORMATION

Chlorothalonil is listed in the Australian Inventory of Chemical Substances (AICS).  
**SUSDP Classification: S6**

## 16. OTHER INFORMATION

All information contained in this document is as accurate as possible based on information submitted by raw material suppliers. Wellfarm Pty Ltd will NOT be responsible for any damages that may result from reliance on the information contained herein.

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