

SECTION 1: Identification

1.1. Product identifier

Trade name : Albaugh Aprisco 900 WG Fungicide

1.2. Other means of identification

Chlorothalonil

1.3. Recommended use of the chemical and restrictions on use

1.3.1. Recommended use

Industrial/Professional use spec : For professional use only

Use of the substance/mixture : Agriculture Fungicide

1.3.2. Restrictions on use

No additional information available

1.4. Details of the manufacturer/importer

Albaugh Australia Pty Ltd
Level 1, 530 Little Collins Street, MELBOURNE 3000, Australia
Tel (03) 99097183
ABN: 676 890 994

1.5. Emergency telephone number

Emergency number : 1800 862 115 (Australia)
+61 2 9037 2994 Local (City): Sydney

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

This material is hazardous according to Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Acute Toxicity (Inhalation)	Category 2
Serious eye damage/eye irritation,	Category 1
Sensitisation — Skin,	Category 1
Carcinogenicity	Category 2
Specific Target Organ Toxicity (Single Exposure)	Category 3

The following hazard categories fall outside the scope of the Workplace Health and Safety Regulations:

Hazardous to the aquatic environment (acute) – Category 1

Hazardous to the aquatic environment (chronic) – Category 1

2.2. Label elements, including precautionary statements

Hazard pictograms :



Signal word : Danger

Hazard statements : H317 – May cause an allergic skin reaction
H318 - Causes serious eye damage
H330 - Fatal if inhaled
H335 - May cause respiratory irritation
H351 - Suspected of causing cancer

Precautionary statements : P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P260 - Do not breathe dust
P271 - Use only outdoors or in a well-ventilated area
P272 – Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective clothing, protective gloves, eye protection, face protection
P284 - Wear respiratory protection
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308 + P313 - IF exposed or concerned: Get medical advice/attention

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P310 - Immediately call a POISON CENTRE
P312 Call a POISON CENTRE if you feel unwell
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P362 + P364 - Take off contaminated clothing and wash it before reuse
P403 + P233 - Store in a well ventilated place. Keep container tightly closed
P405 - Store locked up
P501 - Dispose of contents/ container in accordance with local regulations

SECTION 3: Composition and information on ingredients

Name	Ingredient identifier (CAS No.)	Content
Chlorothalonil (ISO); tetrachloroisophthalonitrile	1897-45-6	90%
Other ingredients (non-hazardous)	Not Available	10%

SECTION 4: First aid measures

4.1. Description of necessary first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Immediately Call a POISON INFORMATION CENTER (Australia) on 13 11 26 or doctor/physician.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain immediate emergency medical attention.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with plenty of mild soap and water. Obtain immediate emergency medical attention.

First aid facilities : Eyewash, safety shower and normal washroom facilities.

4.2. Symptoms caused by exposure

Symptoms/injuries after ingestion : May cause gastrointestinal irritation and redness to the mouth and throat.

Symptoms/injuries after inhalation : Fatal if inhaled. May cause respiratory irritation

Symptoms/injuries after eye contact : Causes serious eye damage, blurred vision and redness. Prolonged contact may cause permanent damage.

Symptoms/injuries after skin contact : May cause an allergic skin reaction, inflammation and irritation.

4.3. Medical attention and special treatment

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Suitable extinguishing equipment

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Hazardous combustion products include oxides of carbon and nitrogen, other nitrogen compounds, hydrogen cyanide, hydrogen chloride and other chlorine compounds.

Product is not flammable. However, it may form explosive dust clouds in air.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Prevent run-off from fire fighting entering drains or water courses.

5.3. Special protective equipment and precautions for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering drains or water bodies.

Protection during firefighting : In the event of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and protective suit. Do not enter fire area without proper protective equipment, including respiratory protection. Breathable air apparatus must be worn when fighting a fire in which this product is involved.

Hazchem code 2X

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled product or contaminated surfaces. Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all non-essential personnel from affected area. Do not breathe dust. Avoid generating dust. Ensure adequate ventilation.

Protective equipment : Equip cleanup crew with proper protection. See Section 8

Emergency procedures : Ventilate area.

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6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Wear approved dust/particulate filter respirator and full protective clothing. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust. Stop leak if safe to do so and sweep granules into a pile and shovel into drums for subsequent disposal. Avoid generating dust. Consider vacuuming if appropriate. Provide adequate ventilation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of dust. Do not breathe dust. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes.

Wear personal protective equipment. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place out of direct sunlight. Store in a locked enclosure. Keep container tightly closed. Do not store with seed, fertilisers or foodstuffs.

Incompatibilities : Strong bases. Strong acids.
Sources of ignition.

SECTION 8: Exposure controls/personal protection

8.1. Exposure control measures

Exposure standards : No value assigned for this specific material by Safe Work Australia.

8.2. Biological monitoring

No biological limit allocated for the product or any of its ingredients. No biological monitoring is required.

8.3. Control banding

Not available.

8.4. Engineering controls

Handle in well ventilated areas, generally natural ventilation is adequate.

8.5. Individual protection measures

Personal protective equipment : Avoid all unnecessary exposure. 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 and appropriate respiratory protection. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. After each day's use, wash contaminated clothing and safety equipment.

Eye and face protection : Chemical goggles or safety glasses. Eye protection devices should conform to relevant regulations. Consult AS/NZS 2210 and AS/NZS 2919 for further information.

Skin protection : Wear protective gloves of impervious material. Occupational protective gloves should conform to relevant regulations. Consult AS/NZS 1336 and AS/NZS 1337 for further information.

Respiratory protection : If ventilation is inadequate, suitable respiratory protection should be worn, consult AS/NZS 1715 and AS/NZS 1716 for further information.

Thermal hazards : No further relevant information available.

SECTION 9: Physical and chemical properties

Physical state : Solid

Colour : Off white to Light brown

Odour : No data available

Odour threshold : No data available

pH : 7-10

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Non flammable

Vapour pressure : No data available

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Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive
Oxidising properties	: Not an oxidizer
Explosive limits	: No data available
Particle characteristics	No data available
Partition coefficient: n-octanol/water (log value)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases. Keep away from strong oxidising agents.

10.6. Hazardous decomposition products

Thermal decomposition may result in the release of toxic and/or irritating fumes. Hydrogen cyanide (hydrocyanic acid), Carbon monoxide, Nitrogen oxides (NOx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No data is available on the formulated product. Information on the individual hazardous ingredients is provided below.

The information presented below is based on the toxicity data for the constituent, Chlorothalonil:

Chlorothalonil

Acute toxicity	: Oral: > 5000 mg/kg Dermal: > 5000 mg/kg Inhalation: > 0.1 mg/l/4h
Skin corrosion/irritation	: Not a skin irritant according to available data.
Serious eye damage/irritation	: Chlorothalonil is a serious eye irritant according to available data.
Respiratory or skin sensitisation	: Chlorothalonil is a skin sensitiser. Not expected to be a respiratory sensitiser according to available data.
Germ cell mutagenicity	: Chlorothalonil is not mutagenic according to available data.
Carcinogenicity	: Suspected of causing cancer. Chlorothalonil is classified by IARC as Group 2B - Possibly carcinogenic to humans.
Reproductive toxicity	: Not considered to be toxic to reproduction according to available data.
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not expected to cause toxicity to a specific target organ
Aspiration hazard	: Not expected to be an aspiration hazard according to available information.

SECTION 12: Ecological information

12.1. Ecotoxicity

Chlorothalonil (ISO); tetrachloroisophthalonitrile (1897-45-6)

LC50 Fishes (96h)	0.039 mg/l (Rainbow trout)
EC50 Crustacea (48h)	70 µg/l
ErC50 Algae (72h)	0.0051 mg/l (<i>Navicula pelliculosa</i>)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : No other effects to be mentioned.

SECTION 13: Disposal considerations

Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Do not burn empty containers or product. Do not reuse container for any other purpose.

SECTION 14: Transport information

Road and rail transport	Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; DANGEROUS GOODS. Refer to the exceptions as per the Australian Special Provisions AU01.
UN Number	2761
Proper Shipping Name or Technical Name:	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC (CONTAINS CHLOROTHALONIL)
Transport Hazard Class:	6.1
Packaging Group:	II
Hazchem Code:	2X
Special Precautions for User:	Not available.
Additional Information:	Australian Special Provisions AU01: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in; (a) packagings that do not incorporate a receptacle exceeding 500 Kg (L); or (b) IBCs.

Marine transport:	Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; MARINE POLLUTANT
UN Number	2761
Proper Shipping Name or Technical Name:	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC (CONTAINS CHLOROTHALONIL)
Transport Hazard Class:	6.1
Packaging Group:	II
Hazchem Code:	2X
IMDG EMS Fire:	F - A
IMDG EMS Spill:	S - A
Environmental Hazards:	Yes. Marine Pollutant substance(s): CHLOROTHALONIL
Special Precautions for User:	Not available.
Additional Information:	The marine pollutant mark is not required when transported in sizes of ≤ 5 L or ≤ 5 kg.

Air transport:	Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air
UN Number	2761
Proper Shipping Name or Technical Name:	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC (CONTAINS CHLOROTHALONIL)
Transport Hazard Class:	6.1
Packaging Group:	II
Hazchem Code:	2X
Special Precautions for User:	Not available.
Additional Information:	IATA Special Provision A197: when transported in sizes of ≤ 5 L or ≤ 5 kg per packaging (inner or single) are not subject to the code.

SECTION 15: Regulatory information

APVMA Number	94332
Poisons Schedule	: Schedule 6
AICIS	Listing in the AICIS is not required for products regulated by the APVMA.

SECTION 16: Any other relevant information

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Literature References

Abbreviations

See respective sections for information

ADG Code - Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)

AICIS – Australian Industrial Chemicals Introduction Scheme (formerly NICNAS)

AIIC - Australian Inventory of Industrial Chemicals

APVMA – Agricultural Pesticides and Veterinary Medicines Australia

GHS - Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition) 2017

IARC - International Agency for Research on Cancer

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (June 2023)

STEL - Short term exposure limit means the average airborne concentration of a substance calculated over a 15 minute period. The STEL should not be exceeded at any time during a normal eight hour working day.

SUSMP - Standard for the Uniform Scheduling of Medicines & Poisons

SWA - Safe Work Australia, formerly ASCC and NOHSC

TGA – Therapeutic Goods Australia

TWA - Time-weighted average means the average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

WHS – Workplace Health and Safety

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product