

Bayer Environmental Science

Safety Data Sheet

Chipco® GT Fungicide



Version 0 / AUS
102000016226

Revision Date: 16.07.2013

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **Chipco® GT Fungicide**
Other names: None
Product code (UVP): 06083632
Recommended use: Fungicide

Chemical formulation: Suspension concentrate (=flowable concentrate)(SC)

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SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

HAZARDOUS SUBSTANCE	DANGEROUS GOODS
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Hazardous classification: Hazardous (National Occupational Health and Safety Commission - NOHSC).

R-phrase(s): R40 - Limited evidence of a carcinogenic effect.
R43 - May cause sensitization by skin contact.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s): See sections 4, 5, 6, 7, 8, 10, 13.

ADG Classification: Not a "Dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. For transport by sea, Chipco GT Fungicide is a MARINE POLLUTANT. See Section 14.

SUSMP classification (Poison Schedule): Schedule 5 (Standard for the Uniform Scheduling of Medicines and Poisons).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Iprodione 240 g/L, Liquid Hydrocarbons 333 g/L

Chemical Name	CAS-No.	Concentration [%]
Iprodione	36734-19-7	23.30
1,2-Propanediol	57-55-6	>= 1.00 - <= 5.00
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5	>=30.00 - <=35.00
1,2-Benzisothiazol-3(2H)-one	2634-33-5	<= 0.05

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Other ingredients (non-hazardous) to 100 %		
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SECTION 4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Safety Data Sheet to the doctor.

General advice

When possible, have the product container or label with you when calling a poison control centre or doctor or going for treatment.

Inhalation

Move to fresh air. In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice. Call a physician or poison control center immediately.

Skin contact

Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion

Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

Notes to physician

Risks

Contains hydrocarbon solvents. May pose an aspiration pneumonia hazard.

Treatment

Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.
There is no specific antidote.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media

- Carbon dioxide (CO₂)
- Dry chemical
- Foam
- Water spray

Hazards from combustion products

Dangerous gases are evolved in the event of a fire.



Precautions for fire-fighting

Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.
Avoid contact with spilled product or contaminated surfaces.
Keep out of smoke.
Do not allow run-off from fire fighting to enter drains or water courses.
Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.
Whenever possible, contain fire-fighting water by diking area with sand or earth.

Hazchem Code •3Z

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Keep unauthorized people away.
Isolate hazard area.
Avoid contact with spilled product or contaminated surfaces.

Environmental precautions

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.
Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites.
Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Collect and transfer the product into a properly labelled and tightly closed container.
Clean contaminated floors and objects thoroughly, observing environmental regulations.

Additional advice

Use personal protective equipment.
Do not allow to enter soil, waterways or waste water canal.

Reference to other sections

Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

SECTION 7. HANDLING AND STORAGE

Handling

Hygiene measures:

Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.
After each day's use, wash gloves, face shield or goggles and contaminated clothing.
Remove Personal Protective Equipment (PPE) immediately after handling this product.
Remove soiled clothing immediately and clean thoroughly before using again.
Wash thoroughly and put on clean clothing.

Storage

Requirements for storage areas and containers:



Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed.
 Store in original container and out of the reach of children, preferably in a locked storage area.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Control parameters	Basis
Iprodione	36734-19-7	2 mg/m ³ (TWA)	OES BCS
1,2-Propanediol (particulate)	57-55-6	10 mg/m ³ (TWA)	AU OEL
1,2-Propanediol (total vapour and particulates)	57-55-6	474 mg/m ³ / 150 ppm (TWA)	AU OEL

For further details on the Occupational Exposure Standards, see Section 16.

Biological limit values: None

Personal protective equipment - End user

Respiratory protection: No personal respiratory protective equipment normally required. Wear an approved respirator suitable for organic vapour/mist if exposure to vapours or mists is likely or ventilation is inadequate.

Hand protection: No personal hand protection equipment normally required. Elbow-length PVC or nitrile gloves are, however, recommended as good practice.

Eye protection: No personal eye protection normally required. Goggles is, however, recommended as good practice.

Skin and body protection: No personal skin and body protection normally required. Cotton overall buttoned to the neck and wrist and washable hat are, however, recommended as good practice.

Engineering controls

Advice on safe handling:
 Handle and open container in a manner as to prevent spillage.
 Use only in area provided with appropriate exhaust ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: Suspension
 Colour: White to light beige
 Odour: Aromatic

Safety data

pH: 6.0 – 6.5 at 100 %

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Flash point:	> 93.3 °C
Ignition temperature:	No data available
Upper explosion limit:	12 %(V)
Lower explosion limit:	2.6 %(V)
Vapour pressure:	No data available
Relative vapour density:	No data available
Density:	ca. 1.03 g/cm ³ at 20 °C
Water solubility:	Dispersible
Partition coefficient: n-octanol/water:	No data available
Viscosity, dynamic:	1,000 – 1,500 cps
Explosivity:	No data available

SECTION 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid:	Elevated temperatures. Heat, flames and sparks.
Materials to avoid:	Strong acids Strong bases Strong oxidizing agents
Hazardous decomposition products:	Thermal decomposition can lead to release of: Hydrogen chloride (HCl) Nitrogen oxides (NO _x) Sulphur oxides
Thermal decomposition:	No data available.
Hazardous reactions:	No dangerous reaction known under conditions of normal use.

SECTION 11. TOXICOLOGICAL INFORMATION

Potential health effects

Inhalation:	May cause irritation of the mucous membranes.
Skin:	Low acute dermal toxicity. Avoid contact with skin.
Eye:	May cause eye irritation.
Ingestion:	Ingestion of large amounts may be harmful.



Animal toxicity studies

- Acute oral toxicity: LD₅₀ (rat) 4,619 mg/kg
- Acute inhalation toxicity: LC₅₀ (rat) > 0.8 mg/L
Exposure time: 4 h
Determined in the form of a liquid aerosol.
Highest attainable concentration.
No deaths.
- Acute inhalation toxicity: LC₅₀ (rat) > 3.2 mg/L
Exposure time: 1 h
Determined in the form of a liquid aerosol.
Extrapolated from the 4 h LC₅₀.
- Acute dermal toxicity: LD₅₀ (rat) > 2,000 mg/kg
- Skin irritation: Slight irritation (rabbit).
- Eye irritation: Slight irritation (rabbit).
- Sensitisation: Non-sensitizing (guinea pig).

Assessment mutagenicity

Iprodione was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

Assessment carcinogenicity

Iprodione caused at high dose levels an increased incidence of tumours in the following organ(s): liver, testes. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.

Assessment toxicity to reproduction

Iprodione did not cause reproductive toxicity in a two-generation study in rats.

Assessment developmental toxicity

Iprodione caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with iprodione are related to maternal toxicity.

Chronic toxicity

Iprodione caused specific target organ toxicity in experimental animal studies in rats in the following organ(s): adrenal gland.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

- Toxicity to fish: LC₅₀ (*Oncorhynchus mykiss* (rainbow trout)) 4.1 mg/L
Exposure time: 69 h
The value mentioned relates to the active ingredient iprodione.
- Toxicity to aquatic invertebrates: EC₅₀ (*Daphnia*) 0.25 mg/L
Exposure time: 48 h
The value mentioned relates to the active ingredient iprodione.

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Toxicity to aquatic plants	IC ₅₀ (<i>Scenedesmus subspicatus</i> (Algae)) 15.3 mg/L Exposure time: 72 h The value mentioned relates to the active ingredient iprodione.
Biodegradability:	No data available.
Stability in soil:	No data available.
Bioaccumulation:	No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Metal drums and plastic containers

Triple or preferably pressure 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm 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.

SECTION 14. TRANSPORT INFORMATION

ADG

UN-Number:	3082
Class:	9
Subsidiary Risk:	None
Packaging group:	III
Description of the goods:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IPRODIONE SOLUTION)
Hazchem Code:	•3Z

According to AU01, Environmentally Hazardous Substances in packagings, IBC or any other receptacle not exceeding 500 kg or 500 L are not subject to the ADG Code.

IMDG

UN-Number:	3082
Class:	9
Subsidiary Risk:	None
Packaging group:	III
EmS:	F-A , S-F
Marine pollutant:	YES
Description of the goods:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IPRODIONE SOLUTION)

IATA

UN-Number:	3082
Class:	9
Subsidiary Risk:	None
Packaging group:	III
Environm. Hazardous Mark:	YES



Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(IPRODIONE SOLUTION)

SECTION 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994.

Australian Pesticides and Veterinary Medicines Authority approval number: 50954.

See also Section 2.

SECTION 16. OTHER INFORMATION

Trademark information

Chipco® is a registered trademark of the Bayer Group.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

Further details on the Occupational Exposure Standards mentioned in Section 8

CEILING: Ceiling Limit Value

OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

STEL: Exposure standard - short term exposure limit (STEL): A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.

SKIN_DES: Skin notation: Absorption through the skin may be a significant source of exposure.

TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

END OF SDS