

Bayer Environmental Science
Safety Data Sheet
Chipco Signature® Systemic Fungicide



Version / AUS
 102000021897

Revision Date: 14.05.2012

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **Chipco Signature® Systemic Fungicide**
 Other names: None
 Product code (UVP): 79705379
 Recommended use: Fungicide

Chemical formulation: Water dispersible granules (WG)

Company: Bayer CropScience Pty. Ltd.
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SECTION 2. HAZARDS IDENTIFICATION

	Emergency Overview	
HAZARDOUS SUBSTANCE		NON-DANGEROUS GOODS

Hazardous classification:	Hazardous (National Occupational Health and Safety Commission - NOHSC).
R-phras(e)s:	None allocated.
S-phras(e)s:	See sections 4, 5, 6, 7, 8, 10, 13.
ADG Classification:	Not "dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. - See Section 14.
SUSMP classification (Poison Schedule):	Exempt (Standard for the Uniform Scheduling of Medicines and Poisons).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: 800 g/kg fosetyl-aluminium

Chemical Name	CAS-No.	Concentration [%]
Fosetyl Aluminium	39148-24-8	80.00
Synthetic amorphous silica	112926-00-8	<= 1.00
Other ingredients (non-hazardous) to 100 %		



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.

Inhalation

Move to fresh air. Keep patient warm and at rest. 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

Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

Notes to physician

Risks

Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Treatment

Treat symptomatically.
In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.
There is no specific antidote.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Foam
Dry powder
Carbon dioxide (CO₂)
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.
Keep out of smoke.
Fight fire from upwind position.
Cool closed containers exposed to fire with water spray.
Do not allow run-off from fire-fighting to enter drains or water courses.



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.
 Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.
 Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites.
 Apply this product as specified on the label.

Methods for cleaning up

Avoid dust formation.
 Sweep up or vacuum up spillage and collect in suitable container for disposal.
 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.

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.
 Smoking, eating and drinking should be prohibited in the application area.

Hygiene measures:

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	Update	Basis
Fosetyl Aluminium	39148-24-8	10 mg/m ³ (TWA)		OES BCS

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

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This product contains material which is Trade Secret and may have Occupational Exposure Limits.

Personal protective equipment - End user

General advice:	Eye wash facility and safety shower should be available.
Respiratory protection:	No personal respiratory protective equipment normally required.
Hand protection	Elbow-length PVC or nitrile gloves is recommended as good practice.
Skin and body protection	Cotton overall buttoned to the neck and wrist is 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:	Water-dispersible granules
Colour:	Green
Odour:	Slightly acidic

Safety data

pH:	ca. 3.9 at 10 %
Flash point:	Not applicable
Ignition temperature:	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapour pressure:	No data available
Relative vapour density:	No data available
Density:	No data available
Water solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Dust content:	Content: <= 250 ppm

SECTION 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions.
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Conditions to avoid:	Exposure to moisture.
Materials to avoid:	Strong oxidizing agents Strong acids Strong bases
Hazardous decomposition products:	Thermal decomposition can lead to release of: Carbon monoxide Nitrogen oxides (NOx) Oxides of phosphorus

SECTION 11. TOXICOLOGICAL INFORMATION

Potential health effects

Inhalation:	Harmful if inhaled. Avoid breathing dust or spray mist.
Skin:	May cause slight irritation. Harmful if absorbed through skin. Avoid contact with skin and clothing.
Eye:	Causes moderate eye injury. Avoid contact with eyes.
Ingestion:	Harmful if swallowed. Do not take internally.

Animal toxicity studies

Acute oral toxicity:	LD ₅₀ (rat) 2,860 mg/kg
Acute inhalation toxicity:	LC ₅₀ (rat) > 5.0 mg/L Exposure time: 4 h Determined in the form of dust.
Acute inhalation toxicity:	LC ₅₀ (rat) > 20.0 mg/L Exposure time: 1 h Determined in the form of dust. Extrapolated from the 4 hr LC ₅₀ .
Acute dermal toxicity:	LD ₅₀ (rabbit) > 2,020 mg/kg
Skin irritation:	Slight irritation (rabbit).
Eye irritation:	Mild eye irritation (rabbit).
Sensitisation:	Non-sensitizing (guinea pig).

Chronic

This product or its components may have long term (chronic) health effects. This product or its components may have target organ effects.



SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish: LC₅₀ (*Oncorhynchus mykiss* (rainbow trout)) > 122 mg/L
Exposure time: 96 h
The value mentioned relates to the active ingredient fosetyl aluminium.

Toxicity to fish: LC₅₀ (*Oncorhynchus mykiss* (rainbow trout)) > 120 mg/L
Exposure time: 96 h
Test conducted with a similar formulation.

Toxicity to aquatic invertebrates: LC₅₀ (*Daphnia magna* (water flea)) > 100 mg/L
Exposure time: 48 h
The value mentioned relates to the active ingredient fosetyl aluminium.

Toxicity to aquatic invertebrates: LC₅₀ (*Daphnia magna* (water flea)) 37 mg/L
Exposure time: 48 h
Test conducted with a similar formulation.

Toxicity to aquatic plants: IC₅₀ (*Desmodemus subspicatus*) > 16 mg/L
Exposure time: 72 h
The value mentioned relates to the active ingredient fosetyl aluminium.

Toxicity to aquatic plants: EC₅₀ (*Scenedesmus subspicatus*) 8 mg/L
Test conducted with a similar formulation.

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

According to national and international transport regulations not classified as dangerous goods.

SECTION 15. REGULATORY INFORMATION

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

Australian Pesticides and Veterinary Medicines Authority approval number: 56565.

See also Section 2.



SECTION 16. OTHER INFORMATION

Trademark information

Chipco Signature® is registered trademark of Bayer.

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.

Reason for revision: Changed name from Material Safety Data Sheet to Safety Data Sheet.

END OF SDS