

Bayer Environmental Science

Safety Data Sheet

Cislin® Ultra Fast-Shot Crack and Crevice Aerosol



Version / AUS
102000019929

Revision Date: 10.04.2012

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **Cislin® Ultra Fast-Shot Crack and Crevice Aerosol**
Other names: None
Product code (UVP): 79270011
Recommended use: Insecticide

Chemical formulation: Aerosol dispenser (AE)

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SECTION 2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE	Emergency Overview	DANGEROUS GOODS
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Hazardous classification:	Non-Hazardous (National Occupational Health and Safety Commission - NOHSC).
R-phrase(s):	None allocated.
S-phrase(s):	See sections 4, 5, 6, 7, 8, 10, 12, 13.
ADG Classification:	"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):	Schedule 5 (Standard for the Uniform Scheduling of Medicines and Poisons).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Deltramethrin 0.2 g/kg

Chemical Name	CAS-No.	Concentration [%]
Deltamethrin	52918-63-5	0.02
S-Bioallethrin	28434-00-6	0.15
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 the victim to fresh air and keep at rest. If symptoms persist, call a physician. Oxygen or artificial respiration if needed.

Skin contact

In case of contact with skin wash off immediately with polyethylene glycol 400, then with plenty of water. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. If symptoms persist, call a physician.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation or redness persists, see an ophthalmologist.

Ingestion

Rinse mouth. Do NOT induce vomiting. Keep patient warm and at rest. If symptoms persist, call a physician.

Notes to physician

Symptoms

Local: Skin and eye paraesthesia which may be severe; skin, eye and mucous membrane irritation; inhalation may provoke the following symptoms: irritation, cough.

Systemic: Excitement, gastrointestinal discomfort, tremors, dizziness, headache, apathy, nausea, vomiting, abdominal pain, muscular fasciculation.

Treatment

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Water spray
Carbon dioxide (CO₂)
Foam
Dry chemical

Extinguishing media which should not be used for safety reasons

High volume water jet

Hazards from combustion products

In the event of fire the following may be released:
nitrogen oxides (NO_x)
Carbon dioxide (CO₂)

Precautions for fire-fighting

In the event of fire, wear self-contained breathing apparatus.
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.
Collect contaminated fire extinguishing water separately. This must not be discharged into



drains.
Do not allow run-off from fire fighting to enter drains or water courses.

Hazchem Code 2YE

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.
Avoid contact with spilled product or contaminated surfaces.
Keep unauthorized people away.

Environmental precautions

Do not allow to get into surface water, drains and ground water.
Contain contaminated water and fire fighting water.

Methods for cleaning up

Collect and transfer the product into a properly labelled and tightly closed container.

Additional advice

Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.
Inform appropriate authorities immediately if contamination occurs.

SECTION 7. HANDLING AND STORAGE

Handling

Hygiene measures:
Avoid contact with skin, eyes and clothing.

Storage

Requirements for storage areas and containers:
Keep out of the reach of children.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep away from direct sunlight.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis
Deltamethrin	52918-63-5	0.02 mg/m ³ (TWA)		OES BCS

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

Personal protective equipment - End user

General advice No special protective equipment required.



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: Aerosol
Colour: No data available
Odour: Weak characteristic

Safety data

pH: No data available
Flash point: No data available
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

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid: Extremes of temperature and direct sunlight.
Materials to avoid: Strong acids:
Hazardous decomposition products: Thermal decomposition can lead to release of:
Hydrogen cyanide (hydrocyanic acid)
Hydrogen bromide (HBr)
Nitrogen oxides (NO_x)
Oxides of carbon

SECTION 11. TOXICOLOGICAL INFORMATION

Potential health effects

Inhalation: Avoid breathing spray mist. May cause respiratory tract irritation.
Skin: May cause irritation.
Eye: May cause mild irritation to eyes.
Ingestion: Low acute oral toxicity.

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Animal toxicity studies

Acute oral toxicity: LD₅₀ (rat) 5,000 mg/kg
Test conducted with a similar formulation.

Acute inhalation toxicity: LC₅₀ (rat) > 26.1 mg/L
Exposure time: 4 h
Test conducted with a similar formulation.

Acute dermal toxicity: LD₅₀ (rat) > 5,000 mg/kg
Test conducted with a similar formulation.

Further information

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae.
However, these sensations cause no lesions and are of a transitory nature (max. 24 hours).
| Deltamethrin is not mutagenic, carcinogenic or teratogenic.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish: LC₅₀ (*Oncorhynchus mykiss* (Rainbow trout)) 0.00091 mg/L
Exposure time: 96 h

Toxicity to aquatic invertebrates: EC₅₀ (*Daphnia magna* (Water flea)) 0.00056 mg/L
Exposure time: 48 h

Toxicity to aquatic plants: EC₅₀ (Algae) > 9.1 mg/L
Exposure time: 96 h

Additional ecological information

The ecological data given are those of the active ingredient deltamethrin.

Bioaccumulation: *Lepomis macrochirus* (Bluegill sunfish)
Bioconcentration factor (BCF): 1,400

SECTION 13. DISPOSAL CONSIDERATIONS

DO NOT incinerate or puncture this can, even when empty. Dispose of can by putting in the garbage, or leaving it at an appropriate metal recycling collection point.

SECTION 14. TRANSPORT INFORMATION

ADG

UN-Number	1950
Class	2.1
Subsidiary Risk	
Packaging group	III
Description of the goods	AEROSOLS, FLAMMABLE (DELTAMETHRIN SOLUTION)
Hazchem Code	2YE

IMDG

UN-Number	1950
Class	2.1

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Subsidiary Risk	III
Packaging group	F-D , S-U
EmS	YES
Marine pollutant	YES
Description of the goods	AEROSOLS, FLAMMABLE (DELTAMETHRIN SOLUTION)

IATA

UN-Number	1950
Class	2.1
Subsidiary Risk	III
Packaging group	III
Environm. Hazardous Mark	NO
Description of the goods	AEROSOLS, FLAMMABLE (DELTAMETHRIN SOLUTION)

SECTION 15. REGULATORY INFORMATION

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

Australian Pesticides and Veterinary Medicines Authority approval number: 62276.

See also Section 2.

SECTION 16. OTHER INFORMATION

Trademark information

Cislin® 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.

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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