

MATERIAL SAFETY DATA SHEET



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STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to criteria of the National Occupational Health and Safety Commission

COMPANY DETAILS:

Company: Bayer CropScience Pty Ltd ABN 87 000 226 022
Address: 391 - 393 Tooronga Road, East Hawthorn
Victoria 3123 Australia
Telephone/Facsimile: (03) 9248 6888/(03) 9248 6800
Website Address: www.bayercropscience.com.au
Emergency Telephone Number: 1800 033 111 – Orica SH&E Shared Services

IDENTIFICATION

Product Name: ALSYSTIN 250 LARVICIDE
MSDS code / Supersedes: A09205 , 01/04/1998
Product code: 69208
UNO: None
DG Class: None
Sub Risk: None
Hazchem: None
Proper Shipping Name: None
Packing Group: None
EPG: Not applicable
Chemical Group: Benzoylurea
Poisons Schedule: S5
Use: Insect growth regulator for the control of those pests specified on the product label.
Chemical Characterisation: 250 g/kg triflumuron
1-(2-Chlorobenzoyl)-3-(4-trifluoromethoxyphenyl) urea
Product Descriptor: ALSYSTIN 250

Physical Description/Properties

Appearance: Yellowish white wettable powder with weak characteristic odour
Boiling Point/Melting Point: Not available
Vapour Pressure: Not applicable
Viscosity: Not applicable
Density (bulk): ca 238/313 kg/m³
Flashpoint: Not established
Explosive Limits: Explosive hazard 200 g/m³
Solubility in Water: Dispersible
Ignition temperature: Not established
pH (10% in water): 5.0 – 7.0

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Ingredients:

Chemical Name:	CAS Number:	Proportion (g/L):
Triflumuron	64628-44-0	250 g/kg
Emulsifiers		Med
Dispersing agent		Low
Clay & carrier		High

Proportion (% weight/weight): High = 30-60%; Med = 10-29%; Low = 1-9%

HEALTH HAZARD INFORMATION

Health Effects	No adverse health effects are expected if this product is used in accordance with the label. Not likely to cause poisoning.
Chronic	Animal studies have shown no evidence of oncogenic effect, no evidence of carcinogenic effects and no teratogenic potential.
First Aid	If poisoning occurs contact a doctor or Poisons Information Centre.
Skin	Prolonged skin contact may cause minor skin irritation. Remove all contaminated clothing including shoes. Wash affected areas with soap and water.
Eye	If in eyes hold eyes open and wash continually with water for 15 minutes.
Inhaled	May cause respiratory irritation if inhaled. Remove patient to fresh air and make comfortable. Ensure that patient is kept strictly at rest.
Advice to Doctor	This product is unlikely to cause poisoning. Treat symptomatically. Antidote: none known

PRECAUTIONS FOR USE

Exposure Standards	NOSHC exposure standards have not been assigned for the active ingredient nor the excipients in the formulation.
Engineering Controls	Not applicable.
Personal Protection	Personal protective Measures: Avoid contact with eyes, skin and clothing during mixing operations. Ensure adequate ventilation. Do not inhale dust or spray mist. Personal Protective Equipment: When preparing the spray mixture wear elbow-length PVC gloves. Industrial Hygiene: If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product or spray on skin,

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immediately wash the area with soap and water.
After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash contaminated clothing, gloves etc. with detergent and water.

Flammability: Protection against Fire:
Product is stable. Avoid strong oxidising agents. Keep away from sources of ignition.
Not flammable under normal conditions of use.

SAFE HANDLING INFORMATION

Storage Keep out of reach of children.
Store in closed, original container in a well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight.

Transport Classification according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)
Shipping name: None
Packing group: None UN No: None
DG Class: None Sub Risk: None Hazchem: None

Dangerous Goods / Hazardous Substances Regulation
This product is subject to the following regulations:
Standard for the Uniform Scheduling of Drugs and Poisons

Spills Prevent spill from spreading or entering waterways or drains.
Vacuum or sweep up spill. Fill material along with any contaminated soil etc. into sealable containers. Clean affected area with an aqueous detergent and a small amount of water. Absorb this with hydrated lime and place in a sealable drum. Spread hydrated lime over the affected area. On completion of clean-up remove and wash all protective clothing and equipment with detergent and water. Any heavily contaminated clothing should be placed in a plastic garbage bag and placed in a sealable drum.
Do not smoke, eat or drink during clean-up operations.

Disposal Completely empty bag into pre-mix bucket. Single rinse before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemical on site. Puncture and bury empty container in a local landfill (check statutory requirements). If not available, bury the container below 500 mm in a marked disposal pit specifically set up for this purpose, clear of waterways, vegetation and roots. Empty container and product should not be burnt.

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Fire/Explosion Hazard Dangerous Decomposition or Combustion Products:
Thermal Decomposition:
Hazardous polymerisation will not occur.
Hazardous Decomposition Products:
If involved in a fire: hydrochloric acid gas, hydrofluoric acid gas and carbon monoxide must be anticipated.
Hazardous Reactions: none

Extinguishing Media: water fog or foam

Further Information:
Special firefighting procedures: Wear full protective clothing and self-contained breathing apparatus.

OTHER INFORMATION

Information on Toxicity LD₅₀ oral (ingestion) - rat: >5000 mg/kg (Bayer) ie. practically non-toxic
LD₅₀ dermal (skin contact) - rat: >5000 mg/kg (Bayer) ie. practically non-toxic
Eye: non-irritant
Inhaled: May produce respiratory irritation if inhaled

Information on Ecological Effects Dangerous to non-target insects, fish, yabbies and other aquatic and soil arthropods. Do NOT contaminate rivers, streams, dams, ponds, waterways or drains with this product or used containers.

DISCLAIMER

This MSDS 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 MSDS 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.