

Safety Data Sheet



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **BLITZEM! WASP KILLER & NEST DESTROYER**

Recommended Use: Insecticide designed for use by home gardeners to control wasps and their nests around the home. Packed as an aerosol.

Supplier: Yates Australia, a division of DuluxGroup (Australia) Pty Ltd
ABN: 67 000 049 427
Street Address: 1 Gow Street,
Padstow, NSW 2211
Australia
Telephone Number: +61 2 9781 8777
Facsimile: +61 2 9781 8825
Emergency Telephone: **1 800 033 111 (ALL HOURS)**

2. HAZARDS IDENTIFICATION

This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Risk Phrases: Flammable. Harmful: May cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

Safety Phrases: Keep away from sources of ignition - No Smoking. Avoid contact with skin. Wear suitable protective clothing and gloves. If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Poisons Schedule: None allocated.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
d-phenothrin	26002-80-2	0.2 g/kg	-
Naphtha (petroleum), hydrotreated heavy	64742-48-9	>60%	R65, R66
Allethrin	584-79-2	1.3 g/kg	R20/22 R50/53
Propellant (Nitrogen)	7727-37-9	<10%	-

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discolouration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice. Seek immediate medical advice.

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**Skin Contact:**

If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

Eye Contact:

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion:

If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

Medical attention and special treatment:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazards from combustion products:

Flammable gas. On burning will emit toxic fumes, including those of oxides of carbon .

Precautions for fire fighters and special protective equipment:

Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable Extinguishing Media:

Normal foam, dry agent (carbon dioxide, dry chemical powder).

Hazchem Code: 2YE

6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and clean up:

Shut off all possible sources of ignition. In the event of an aerosol can developing a leak, allow to fully discharge in the open air before disposal.

7. HANDLING AND STORAGE

Conditions for safe storage:

Store in cool place and out of direct sunlight. Store away from oxidising agents. Store away from sources of heat or ignition. Keep containers closed when not in use - check regularly for leaks.

Precautions for safe handling:

Keep out of reach of children. Avoid skin and eye contact. Ensure spray nozzle is always directed away from the user. May form flammable vapour mixtures with air. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke. Vapour may travel a considerable distance to source of ignition and flash back.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for constituent(s):

Nitrogen: Asphyxiant

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As published by the National Occupational Health and Safety Commission.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

Asphyxiant - gases which can lead to reduction of oxygen concentration by displacement or dilution. The minimum oxygen content in air should be 18% by volume under normal atmospheric pressure.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering controls:

Use in well ventilated areas. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

Personal Protective Equipment:

Avoid contact with eyes and skin and breathing in mist. Always wash hands before smoking, eating, drinking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Aerosol
Odour:	Characteristic
Specific Gravity:	0.745-0.755 (of liquid)
Relative Vapour Density (air=1):	5.03 (for solvent)
Vapour Pressure (20 °C):	0.231 kPa @20°C (for solvent)
Flash Point (°C):	40 (solvent)
Flammability Limits (%):	Not available
Autoignition Temperature (°C):	Not available
% Volatile by Volume:	Not available
Solubility in water (g/L):	Not available
Melting Point/Range (°C):	Not applicable
Boiling Point/Range (°C):	162-177 (solvent)
Decomposition Point (°C):	Not available
pH:	Not applicable

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to avoid:	Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and open flame.
Incompatible materials:	Incompatible with oxidising agents.
Hazardous decomposition products:	Oxides of carbon.
Hazardous reactions:	Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	Not a likely route of exposure. Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs. Breathing in vomit may lead to aspiration pneumonia (inflammation of the lung).
Eye contact:	May be an eye irritant.
Skin contact:	Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis. Contact with vapour may cause freeze burns.
Inhalation:	Material may be irritant to the mucous membranes of the respiratory tract (airways). Breathing in vapour can result in headaches, dizziness, drowsiness, and possible nausea. Breathing in high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness. Intentional misuse by deliberately concentrating and breathing the contents can be harmful or fatal.

Long Term Effects:

No information available for the product.

Toxicological Data: No LD50 data available for the product. However, for constituent(s) :

Oral LD50 (rat): For Allethrin: male: 2,150 mg/kg(1), female: 900 mg/kg(1)

For d-phenothrin: >5,000 mg/kg (1)

Dermal LD50 (rat): For d-phenothrin: >2,000 mg/kg (1)

Dermal LD50 (rabbit): For Allethrin: male: 2,660 mg/kg(1), female: 4,390 mg/kg(1)

Inhalation LC50 (rat): For Allethrin: >3,875 mg/m³/4H; For d-phenothrin: >2,100 mg/m³/4H

12. ECOLOGICAL INFORMATION

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Ecotoxicity	Avoid contaminating waterways.
Persistence/degradability and mobility	For d-phenothrin: Undergoes degradation by photo-oxidation. (1)
Aquatic toxicity:	Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.
48hr EC50 (Daphnia magna):	For d-phenothrin: 0.0043 mg/L (1)
96hr LC50 (rainbow trout):	For d-phenothrin: 2.7 mg/L (1)
96hr LC50 (bluegill sunfish):	For d-phenothrin: 16 µg/L (1)
96hr LC50 (mirror carp):	For allethrin: 0.134 mg/L (1)
Terrestrial toxicity:	For d-phenothrin: Toxic to bees. (1)
Dietary LD50 (mallard duck):	For allethrin: (8 days) 5,620 mg/kg (1)
For d-phenothrin: >2,500 mg/kg (1)	
Dietary LD50 (bobwhite quail):	For allethrin: (8 days) 5,620 mg/kg (1)

13. DISPOSAL CONSIDERATIONS

Disposal methods:

Do not puncture or burn can when empty; contents are under pressure. If aerosol can develops a leak, allow to fully discharge before disposal. Normally suitable for disposal at approved land waste site.

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.

UN No:	1950
Class-primary	2.1 Flammable Gas
Proper Shipping Name:	AEROSOLS
Hazchem Code:	2YE

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN No:	1950
Class-primary:	2.1 Flammable Gas
Proper Shipping Name:	AEROSOLS

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN No:	1950
Class-primary:	2.1 Flammable Gas
Proper Shipping Name:	AEROSOLS, FLAMMABLE

15. REGULATORY INFORMATION

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Classification: This material is hazardous according to criteria of Safe Work Australia;
HAZARDOUS SUBSTANCE.

Hazard Category: Xn: Harmful

Risk Phrase(s): R10: Flammable.
R65: Harmful: May cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.

Safety Phrase(s): S16: Keep away from sources of ignition - No smoking.
S24: Avoid contact with skin.
S36/37: Wear suitable protective clothing and gloves.
S62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Poisons Schedule: None allocated.

16. OTHER INFORMATION

(1) In: 'The Pesticide Manual'. 13th Edition. Ed. CDS Tomlin. British Crop Protection Society, 2003.

Reason(s) for Issue:
Revised Primary MSDS
Alignment to HSNO requirements

This safety data sheet has been prepared by SH&E Shared Services.
This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since DuluxGroup Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their DuluxGroup representative or DuluxGroup Limited at the contact details on page 1.

DuluxGroup Limited's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.