

1. Identification of the Substance/Preparation and of the Company/Undertaking**BASF WASP FREEZE® INSECTICIDE**

Use: Insecticide for the outdoor control of wasps in domestic, commercial and industrial areas.

Manufacturer / supplier:

BASF Australia Limited (ABN 62 008 437 867)
Level 12, 28 Freshwater Place
Southbank VIC 3006
AUSTRALIA
Telephone: +61-3-8855 6600
Telefax: +61-3-8855 6511

Emergency information (24 h):

Within Australia: 1800 803 440
Outside Australia: +61 3 8855 6666

2. Hazards Identification**HAZARDOUS SUBSTANCE. DANGEROUS GOODS.**

Harmful: may cause lung damage if swallowed.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Keep out of the reach of children.

Keep away from food, drink and animal feeding stuffs.

When using do not eat, drink or smoke.

Do not empty into drains, this material and its container must be disposed of in a safe way.

Use appropriate container to avoid environmental contamination.

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

GHS CLASSIFICATION**DANGER**

Aspiration hazard – Category 1

Acute toxicity (dermal) - Category 5

Hazardous to the aquatic environment – Acute Category 1

Hazardous to the aquatic environment – Chronic Category 1

Aerosols – Category 1

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Hazard statements

Extremely flammable aerosol.
May be harmful in contact with skin.
May be fatal if swallowed and enters airways.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
Pressurised container: May burst if heated.

Precautionary statements (Prevention)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Avoid release to the environment.
Do not spray on an open flame or other ignition source.
Do not pierce and burn, even after use.

Precautionary statements (Response)

Call a POISON CENTRE or doctor/physician if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Do NOT induce vomiting.
Collect spillage.

Precautionary statements (Storage)

Protect from sunlight. Do not expose to temperatures exceeding 50°C. Store locked up.

Precautionary statements (Disposal)

Dispose of contents/container to hazardous or special waste collection point.

3. Composition/Information on Ingredients**Chemical nature:**

Insecticide.

Hazardous ingredients:

d-trans Allethrin

Content (W/W): < 0.5 %
CAS Number: 28057-48-9
Acute toxicity (inhalation – vapour) – Category 4
Acute toxicity (oral) – Category 4
Acute toxicity (dermal) – Category 5
Aquatic Acute – Category 1
Aquatic Chronic – Category 1
M-factor acute : 100

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d-Phenothrin

Content (W/W): < 0.5 %
CAS Number: 26002-80-2
Aquatic Acute – Category 1
Aquatic Chronic – Category 1
M-factor acute : 100

Distillates (petroleum), hydrotreated light

Content (W/W): < 100 %
CAS Number: 64742-47-8
Aspiration Toxicity – Category 1

Carbon dioxide

Content (W/W): < 5 %
CAS Number: 124-3809
Gases Under Pressure – Category Compressed Gas

4. First-aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

If inhaled:

Keep patient calm, remove to fresh air. Seek medical attention.

On skin contact:

Immediately wash thoroughly with soap and water. Seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Immediately rinse mouth and then drink 200 – 300 ml of water. Seek medical attention. Do not induce vomiting due to aspiration hazard.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote. Aspiration of this product during induced emesis can result in lung injury. If evacuation of the stomach contents is considered necessary, use a method least likely to cause aspiration, such as gastric lavage after endotracheal intubation.

5. Fire-fighting Measures

Suitable extinguishing media:

Water spray, foam, dry powder, carbon dioxide.

Specific hazards:

Carbon monoxide and carbon dioxide can be released in the event of a fire. Aerosol container contains flammable gas under pressure. Risk of explosion at excessive temperatures.

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Special protective equipment:

Firefighters should be equipped with self-contained breathing apparatus and chemical-protective clothing.

Further information:

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Evacuate area of all unnecessary personnel. Contain contaminated water / firefighting water. Do not allow to enter drains or waterways. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:

Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

Environmental precautions:

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water.

Methods for cleaning-up or taking-up:

Dike spillage. Pick up with suitable absorbent material. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

7. Handling and Storage

Handling

Keep away from sources of ignition – No smoking. Keep container tightly sealed. Handle with care. Follow label warnings even after container is emptied. Avoid all direct contact with the product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of mists/vapours. Keep out of reach of children. Do not spray directly on humans or pets. Do not stand directly underneath the spray site to ensure insects and spray do not fall onto the skin or clothing.

Protection against fire and explosion:

Aerosol contain contains flammable gas under pressure. The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme heat. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition.

Storage:

Protect containers from physical damage. Store in a cool, dry, well-ventilated area. Avoid all sources of ignition: heat, sparks, open flame. Do not store or use near flame or fire. Keep in a cool place out of the sun. Do not incinerate or puncture this can, even when empty. Segregate from incompatible substances. Segregate from foods and animal feeds. Segregate from textiles and similar materials.

Storage stability:

May be kept indefinitely if stored properly. If an expiry date is mentioned on the packaging / label this takes priority over the statements on storage duration in this safety data sheet.

Protect from temperatures above 40°C. Explosive at or above indicated temperature.

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8. Exposure Controls and Personal Protection

Exposure limit values

Carbon dioxide:	TWA	5000 ppm	(9000 mg/m ³)
	STEL	30000 ppm	(54000 mg/m ³)

Professional Pest Control Product:

May irritate the eyes. Avoid contact with eyes and skin. Wash hands after use.

9. Physical and Chemical Properties

Form:	Aerosol
Colour:	Colourless
Odour:	Solvent like
pH value:	approx. 5 – 7 (24°C)
Boiling point:	193 – 245°C (solvent)
Pour point:	-50°C (solvent)
Flash point:	73 - 95°C (solvent)
Lower explosion limit:	0.8 Vol.% (solvent)
Upper explosion limit:	6 Vol.% (solvent)
Explosion hazard:	explosive at or above 50°C
Flammability:	highly flammable
Vapour pressure:	approx. 57 bar (approx. 20°C)
Density:	0.80 g/cm ³ (20°C)
Solubility in water:	Sparingly soluble
Solubility:	not available for other media
Partitioning coefficient n-octanol/water (log Pow):	not applicable

10. Stability and Reactivity

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme temperatures. Avoid prolonged exposure to extreme heat. Avoid contamination. Avoid electrostatic discharge.

Materials to avoid:

Strong acids, strong oxidising agents, strong bases.

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as per the product label. Prolonged thermal loading can result in products of degradation (e.g. carbon monoxide, carbon dioxide) being given off. To avoid thermal decomposition, do not overheat.

Hazardous reactions:

No hazardous reactions if stored and handled as per the product label. The product is chemically stable at ambient temperature.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

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Virtually non-toxic after a single ingestion. Virtually non-toxic by inhalation. Virtually non-toxic after a single skin contact.

Experimental/calculated data:

LD50 rat (oral): > 5000 mg/kg (no mortality was observed)
LC50 rat (inhalation): > 2.8 mg/l/4 h (no mortality was observed)
LD50 rabbit (dermal): > 5000 mg/kg (no mortality was observed)

Irritation**Assessment of irritating effects**

Skin contact causes slight irritation. Not irritating to the eyes.

Sensitisation:**Assessment of sensitisation:****Experimental/calculated data:**

Buehler test (guinea pig): non-sensitising

Germ cell mutagenicity**Assessment of mutagenicity:**

Mutagenicity tests revealed no genotoxic potential. The product has not been tested. The statement has been derived from the properties of the individual components.

Carcinogenicity:**Assessment of carcinogenicity:**

The results of various animal studies gave no indication of a carcinogenic effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Reproductive toxicity**Assessment of reproduction toxicity:**

The results of various animal studies gave no indication of a fertility impairing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Developmental toxicity:**Assessment of teratogenicity:****Information on carbon dioxide:**

The potential to cause toxicity to development cannot be excluded at maternally toxic doses.

Specific target organ toxicity (single exposure):**Assessment of STOT single:**

The available information is not sufficient for evaluation. The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure):**Assessment of repeated dose toxicity:****Information on carbon dioxide:**

The substance may cause damage to the lung after repeated inhalation of high doses. The substance may cause damage to the heart after repeated inhalation of high doses, as shown in animal studies.

Aspiration hazard:

May also damage the lung at swallowing (aspiration hazard). The product has not been tested. The statement has been derived from the properties of the individual components.

Other relevant toxicity information:

Misuse can be harmful to health. Avoid contact with eyes and skin. Wash hands after use.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

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Very toxic to aquatic life with long lasting effects.

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on d-Allethrin:

Toxicity to fish LC50: 0.009 mg/l, *Salvelinus namaycush*

Information on d-Phenothrin:

Toxicity to fish LC50: 0.0014 mg/l/96 h

Information on Distillates (petroleum), hydrotreated light

Toxicity to fish LC50: 2- 5 mg/l/96 h, *Oncorhynchus mykiss* (OECD Guideline 203, semistatic)

The product has low solubility in the test medium. A saturated solution has been tested. The product has not been tested. The statement has been derived from substances / products of a similar structure or composition. Nominal values (confirmed by concentration control analytics).

Information on d-Allethrin:

Toxicity to aquatic invertebrates LC50: 0.0356 mg/l/96 h, *Daphnia magna*

Information on d-Phenothrin:

Toxicity to aquatic invertebrates LC50: 0.0071 mg/l/48 h, *Daphnia magna*

Information on Distillates (petroleum), hydrotreated light

Toxicity to aquatic invertebrates LC50: 1.4 mg/l/48 h, *Daphnia magna* (OECD Guideline 202, part 1 static)

The details of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. A saturated solution has been tested. The product has not been tested. The statement has been derived from substances / products of a similar structure or composition.

Information on Distillates (petroleum), hydrotreated light

Toxicity to aquatic plants LC50: 1 – 3 mg/l/72 h (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201, static)

No Observed Effect Concentration (NOEC): 1 mg/l/72 h (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201, static)

The details of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. A saturated solution has been tested. The product has not been tested. The statement has been derived from substances / products of a similar structure or composition.

Mobility

Assessment transport between environmental compartments:

Information on d-Phenothrin:

Following exposure to soil, adsorption to solid soil particles is probable and contamination of the groundwater is not expected.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Information on d-Allethrin and d-Phenothrin

Not readily biodegradable (by OECD criteria).

Bioaccumulation potential

Assessment bioaccumulation potential:

Information on Distillates (petroleum), hydrotreated light

Accumulation in organisms is expected.

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Information on d-Phenothrin
Bioconcentration factor: 1.083**Additional information:**Other ecotoxicological advice:
Do not discharge product into the environment without control.

13. Disposal Considerations

Waste disposal of substance:

Dispose of in accordance with relevant local, state or territory government regulations. Do not incinerate product. The product is dangerous to bees and fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

Contaminated packaging:

FLAMMABLE. Do not cut, puncture, crush or incinerate aerosol containers, even when empty. Recycle empty cans if a facility is available or place used can in household rubbish.

14. Transport Information

Domestic transport (ADG):Hazard Class: 2.1
ID Number: UN 1950
Hazard Label: 2.1, EHSM
Proper Shipping Name: AEROSOLS (CONTAINS KEROSENE (PETROLEUM), D-ALLETHRIN)
Hazchem Code: 2YE**Sea transport (IMDG):**Hazard Class: 2.1
ID Number: UN 1950
Hazard Label: 2.1, EHSM
Proper Shipping Name: AEROSOLS (CONTAINS KEROSENE (PETROLEUM), D-ALLETHRIN)
Marine Pollutant: YES**Air transport (ICAO/IATA):**Hazard Class: 2.1
ID Number: UN 1950
Packing Group: None allocated
Hazard Label: 2.1
Proper Shipping Name: AEROSOLS (CONTAINS KEROSENE (PETROLEUM), D-ALLETHRIN)

15. Regulatory Information

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP)

Poisons Schedule: Not Scheduled



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Registration status

APVMA Approval Number 65000/49839

16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.