

Safety Data Sheet

Version: 1.0
Date / Revised: 21.02.2011

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1. Identification of the Substance/Preparation and of the Company/Undertaking

Designation/Trade Name: **BASF WASP FREEZE**
Use: Insecticide
Company: BASF Australia Limited
Level 12, 28 Freshwater Place
Southbank VIC 3006
Australia
Tel +61-3-8855 6600
Fax +61-3-8855 6511

Emergency contact: 1800 803 440 (24 h)

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.

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

This material and its container must be disposed of in a safe way.

Dispose of this material and its container to hazardous or special waste collection point.

3. Composition/Information on Ingredients

Chemical nature:

Insecticide.

Hazardous ingredients:

d-trans Allethrin

Content (W/W): 0.129 %
CAS Number: 28057-48-9
Hazard symbol: Xn, N
R-phrases: 20/22, 50/53

Phenothrin

Content (W/W): 0.12 %
CAS Number: 26002-80-2
Hazard symbol: Xn, N
R-phrases: 20/21/22, 50/53

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Distillates (petroleum), hydrotreated light
Content (W/W): > 10 %
CAS Number: 64742-47-8
Hazard symbol: Xn
R-phrases: 65

The wording of the hazard symbols and R-phrases is specified in Section 16 if hazardous components are mentioned.

4. First-aid Measures

General advice:

First aid providers should wear personal protective equipment to prevent exposure. Avoid contact with the skin, eyes and clothing. Remove immediately all contaminated clothing. If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

If inhaled:

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

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

On contact with eyes:

Immediately wash affected eyes with copious amounts of water for at least 15 minutes with eyelids held open. Consult an eye specialist.

On ingestion:

Rinse mouth immediately and then drink plenty of water. Seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

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:

Foam, dry extinguishing media, 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.

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.

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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

Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition – No smoking. Keep container tightly sealed. Handle and open container with care. Do not open until ready to use. Once container is opened, contents should be used as soon as possible. Provide means for controlling leaks and spills. Follow label warnings even after container is emptied. The product may be handled only by appropriately trained personnel. Avoid all direct contact with the product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of mists/vapours. Wear suitable personal protective clothing and equipment.

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. 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 50°C. Explosive at or above indicated temperature.

8. Exposure Controls and Personal Protection

Exposure limit values

No exposure standard allocated.

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear an approved organic vapour/particulate respirator. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown, use an approved full facepiece pressure demand self-contained breathing apparatus or a full facepiece pressure demand air-supplied respirator.

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Hand protection:

PVC-coated gloves.

Eye protection:

Safety glasses with side-shields.

Body protection:

Full-body protective clothing.

Professional Pest Control Product:

May irritate the eyes, nose and throat. Avoid contact with the skin, eyes and clothing. Remove immediately all contaminated clothing. DO NOT inhale mists or vapours. When opening the container and using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length PVC gloves and an approved organic vapour / particulate respirator. Wash hands after use. After each day's use, wash gloves and contaminated clothing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form:	Liquid
Colour:	Pale yellow, clear
Odour:	Solvent like
pH value:	Low solubility, not applicable
Boiling point:	Not determined
Melting range:	Not determined
Flash point:	approx. 62°C (TAG closed cup)
Lower explosion limit:	Not determined
Upper explosion limit:	Not determined
Explosion hazard:	Explosive at or above 50°C
Fire point:	Not determined
Vapour pressure:	approx. 6895 hPa (approx. 19°C)
Density:	0.80 g/cm ³ (approx. 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:

No data available.

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed / indicated. 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.

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Hazardous reactions:

No hazardous reactions if stored and handled as prescribed / indicated. The product is chemically stable at ambient temperature.

11. Toxicological Information

Acute oral toxicity:

Experimental/calculated data:
LD50 rat (oral): > 5000 mg/kg

Acute dermal toxicity:

Experimental/calculated data:
LD50 rat (dermal): > 2000 mg/kg

Sensitization:

Experimental/calculated data: non-sensitizing (guinea pig)

Genetic toxicity:

Information on bioallerthin:
No mutagenic effects reported.

Information on d-phenothrin:
No mutagenic effects reported.

Information on distillates (petroleum), hydrotreated light
In the majority of tests performed (bacteria/microorganisms/cell cultures) a mutagenic effect was not found.
A mutagenic effect was also not observed in in-vivo assays (literature data).

Carcinogenicity:

Information on bioallerthin:
Indication of possible carcinogenic effect in animal tests. A clear indication of an increased risk of cancer in humans has so far not been shown.

Information on d-phenothrin:
Not likely to be carcinogenic to humans (US EPA 2005 Guidelines).

Reproductive toxicity:

Information on bioallerthin:
No reproductive toxic effects reported.

Information on d-phenothrin:
No reproductive toxic effects reported.

Development:

Information on d-phenothrin:
No teratogenic effects reported.

Information on distillates (petroleum), hydrotreated light
No indications of a developmental toxic / teratogenic effect were seen in animal studies (literature data).

12. Ecological Information

Fish toxicity:

Information on bioallerthin:
Acute (Flow through): *Salvelinus namaycush*/LC50 = 9.9 µg/L
The ecological data given are those of the active ingredient.

Information on d-phenothrin:

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Acute: Oncorhynchus mykiss/LC50 (96 h): 0.0027 mg/L

Information on distillates (petroleum), hydrotreated light

Acute: Brachydanio rerio/LC50 (96 h): 7.3 mg/L

The product has not been tested. The statement has been derived from products of a similar structure and composition (literature data).

Aquatic invertebrates:

Information on bioallerthin:

Acute (Flow through): Daphnia magna/LC50 (96 h) 0.0356 mg/L

Information on d-phenothrin:

Acute: Daphnia magna (96 h): > 300 mg/L

Information on distillates (petroleum), hydrotreated light

Acute: Daphnia magna/EC50 (48 h): 1.4 - 21 mg/L

The product has not been tested. The statement has been derived from products of a similar structure and composition (literature data).

Aquatic plants:

Information on distillates (petroleum), hydrotreated light

Toxicity to aquatic plants: Algae/EC50 (72 h): 3.7 – 8.3 mg/L

Literature data.

13. Disposal Considerations

Waste disposal of substance:

Must be disposed in accordance with local regulations.

Contaminated packaging:

Do not cut, puncture, crush or incinerate empty aerosol containers. Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance / product.

14. Transport Information

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Domestic transport (ADG):

Hazard Class: 2.1
ID Number: UN 1950
Packing Group: None allocated
Hazard Label: 2.1, EHSM
Proper Shipping Name: AEROSOLS
Hazchem Code: 2YE

Sea transport (IMDG):

Hazard Class: 2.1
ID Number: UN 1950
Packing Group: None allocated
Hazard Label: 2.1, EHSM
Proper Shipping Name: AEROSOLS
Marine Pollutant: YES

Air transport (ICAO/IATA):

Hazard Class: 2.1
ID Number: UN 1950
Packing Group: None allocated
Hazard Label: 2.1, EHSM
Proper Shipping Name: AEROSOLS

15. Regulatory Information

Poisons Schedule: Not determined

Regulations of the European Union (labeling)

EEC Directives:

Hazard symbol
Xn Harmful
N Dangerous for the environment

R-phrases
R65 Harmful: may cause lung damage if swallowed.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases
S35 This material and its container must be disposed of in a safe way.
S56 Dispose of this material and its container to hazardous or special waste collection point.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Registration status

AICS, AU Not applicable

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16. Other Information

Full Text of hazard symbols and R-phrases if mentioned as hazardous components in Section 3:

Xn	Harmful
N	Dangerous for the environment
20/22	Harmful by inhalation and if swallowed.
20/21/22	Harmful by inhalation, by skin contact and if swallowed.
65	Harmful: may cause lung damage if swallowed.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.