

**FOAMING WASP NEST DESTROYER**Version 2 / GB
102000080311/8
Revision Date: 05.07.2007
Print Date: 05.07.2007**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name FOAMING WASP NEST DESTROYER

Product code (UVP) 06109950
Usage Household insecticide

Company Bayer CropScience Limited
230 Cambridge Science Park
Milton Road
Cambridge
Cambridgeshire CB4 0WB
Great Britain

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Responsible Department Email: gardening.adviser@bayergarden.co.uk

Emergency telephone number 0800-220876 (UK 24 hr)
+44(0)1603-242424 (Overseas 24 hr)

2. HAZARDS IDENTIFICATION**Risk advice to man and the environment**

Pressurised container, heating will cause pressure rise with a risk of bursting.
Extremely flammable.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**

Aerosol dispenser (AE)
Tetramethrin/d-Phenothrin 0.306:0.108 % w/w

Hazardous components

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Tetramethrin	7696-12-0 231-711-6	N	R50/53	0.306
d-Phenothrin	188023-86-1	N	R50/53	0.108
Odourless kerosine	64742-47-8 265-149-8	Xn	R65, R66	> 1.00 - < 10.00
Butane	106-97-8 203-448-7	F+	R12	> 1.00

For the full text of the R phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

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Move the patient to fresh air and keep at rest.

Skin contact

Wash off immediately with soap and plenty of water. After skin contact: Apply Vitamin E cream or a simple body milk. Get medical attention if irritation develops and persists.

Eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion

DO NOT induce vomiting unless directed to do so by a physician or poison control center. Rinse out mouth and give water in small sips to drink. Keep patient warm and at rest.

Notes to Physician**Symptoms**

Local: skin and eye paraesthesia which may be severe, The product causes irritation of eyes, skin and mucous membranes., Inhalation may provoke the following symptoms: Irritation, cough

Symptoms

Systemic: excitement, gastrointestinal discomfort, Tremors, dizziness, headache, apathy, nausea, Vomiting, Abdominal pain, muscular fasciculation, unconsciousness

Risks

This product contains a pyrethroid.
Must NOT be confused with organophosphorus compounds!

Treatment

Local treatment:
Initial treatment: symptomatic.

Treatment

Systemic treatment:
Initial treatment: symptomatic.
In the event of a mouthful or more being ingested, the following measures should be considered:
Endotracheal intubation and gastric lavage, followed by administration of charcoal.
Monitoring of respiratory, cardiac and central nervous system.
ECG - monitoring (Electrocardiogram).
Check for pulmonary oedema in event of inhalation.
Keep airway clear, administer artificial respiration if necessary.
Against convulsions: give diazepam. For adults 5-10 mg intravenously as necessary until fully sedated; for children 2.5 mg i.v.
There is no specific antidote.
Contraindication: atropine.
Contraindication: derivatives of adrenaline.
Spontaneous recovery.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which should not be used for safety reasons

High volume water jet



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Specific hazards during fire fighting

Dangerous gases are evolved in the event of a fire.
Heating can lead to increased pressure with risk of explosion.

Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.
In the event of fire, wear self-contained breathing apparatus.

Further information

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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Keep people away from and upwind of spill/leak.
Consider the need for evacuation.
Avoid contact with spilled product or contaminated surfaces.
Ensure adequate ventilation.
When dealing with a spillage do not eat, drink or smoke.

Environmental Precautions

Do not allow to get into surface water, drains and ground water.
If spillage enters drains leading to sewage works inform local water company immediately.
If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

Methods for Cleaning Up

The nature of this product, when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled then the following advice is applicable.
Collect and transfer the product into a properly labelled and tightly closed container.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Clean floors and contaminated objects with plenty of water.

Additional Advice

Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.
Check also for any local site procedures.

7. HANDLING AND STORAGE

Handling

Advice on safe handling

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.
Ensure adequate ventilation.

Advice on protection against fire and explosion

The product is extremely flammable.
Vapours may form explosive mixture with air.
Fire or intense heat may cause violent rupture of packages.
Keep away from heat and sources of ignition.

Storage



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Requirements for storage areas and containers

Store in original container and out of the reach of children, preferably in a locked storage area.

Keep away from direct sunlight.

Protect from freezing.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Storage stability

Other data

Do not store at temperature exceeding 50 °C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis
Butane	106-97-8	1,450 mg/m ³ / 600 ppm (TWA)	2005	EH40 WEL
Butane	106-97-8	1,810 mg/m ³ / 750 ppm (STEL)	2005	EH40 WEL

Additional Advice

observe: Exposure Limits In Air, Gp1: 1000mg/m³ / 200 ppm (aromatic-free or de-aromatised hydrocarbon mixes with < 1% aromatics < 5% n-hexane, < 25% cyclo/Isohexane TRGS 901 No. 72/FRG).

Personal protective equipment

In normal use conditions personal protective equipment is not deemed to be necessary. If there is a potential for excessive exposure the following applies:

Respiratory Protection

No personal respiratory protective equipment normally required. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand Protection

Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.

Eye protection

Wear goggles conforming to EN166 (Field of Use 5 or equivalent).

Skin and body protection

Wear standard coverall and type 6 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

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Hygiene measures

When using, do not eat, drink or smoke.

Wash hands immediately after work, if necessary take a shower.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form aerosol, liquid

Safety dataFlash point -60 °C
The value mentioned relates to the aerosol propellant.Ignition temperature 288 °C
The value mentioned relates to the aerosol propellant.Upper explosion limit 8.4 %(V)
The value mentioned relates to the aerosol propellant.Lower explosion limit 1.8 %(V)
The value mentioned relates to the aerosol propellant.Relative vapour density 2.9
The value mentioned relates to the aerosol propellant.

Water solubility insoluble

10. STABILITY AND REACTIVITY

Conditions to Avoid Extremes of temperature and direct sunlight.

Materials to avoid Strong oxidizing agents
Strong acidsHazardous Reactions No hazardous reactions when stored and handled according to prescribed instructions.
Stable under recommended storage conditions.**11. TOXICOLOGICAL INFORMATION**

Acute Oral Toxicity LD50 (rat) > 2,000 mg/kg

Acute Inhalation Toxicity LC50 (rat) > 20 mg/l
Exposure time: 4 h

Acute Dermal Toxicity LD50 (rat) > 2,000 mg/kg

Skin Irritation No skin irritation. (rabbit)

Eye Irritation No eye irritation. (rabbit)

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Sensitization Non-sensitizing. (guinea pig)

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). The above values are calculated as prescribed by the "Conventional Method" according to 1999/45/EC.

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to Fish	LC50 (Rainbow trout (<i>Oncorhynchus mykiss</i>)) 0.0037 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient tetramethrin.
Toxicity to Fish	LC50 (Rainbow trout (<i>Oncorhynchus mykiss</i>)) 0.0027 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient d-phenothrin.
Toxicity to daphnia	EC50 (Water flea (<i>Daphnia magna</i>)) 0.11 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient tetramethrin.
Toxicity to daphnia	EC50 (Water flea (<i>Daphnia magna</i>)) 0.0043 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient d-phenothrin.

13. DISPOSAL CONSIDERATIONS**Product**

Dispose of unused product in its container at a household waste site (civic amenity site). Contact your local council (local authority) for details.

Contaminated packaging

Dispose of empty container in the dustbin.
Follow advice on product label and/or leaflet.

Waste key for the unused product

160504 gases in pressure containers (including halons) containing dangerous substances

14. TRANSPORT INFORMATION**ADR/RID/ADNR**

UN-Number	1950
Labels	2.1
Packaging group	
Hazard no.	
Description of the goods	AEROSOLS

IMDG

UN-Number	1950
Labels	2.1

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Packaging group	
EmS	F-D , S-U
Marine pollutant	Marine pollutant
Description of the goods	AEROSOLS

IATA

UN-Number	1950
Labels	2.1
Packaging group	
Description of the goods	AEROSOLS, FLAMMABLE

UK 'Carriage' Regulations

UN-Number	1950
Labels	2.1
Packaging group	
Hazard no.	
Emergency action code	2YE
Description of the goods	AEROSOLS

15. REGULATORY INFORMATION

This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3 and any subsequent amendments.

Classification:

|| Hazard warning labelling compulsory

Hazardous components which must be listed on the label:

- Tetramethrin
- d-Phenothrin

Symbol(s)

F+	Extremely flammable
N	Dangerous for the environment

R-phrase(s)

R12	Extremely flammable.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S 2	Keep out of the reach of children.
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe gas/fumes/vapour/spray.
S35	This material and its container must be disposed of in a safe way.
S51	Use only in well-ventilated areas.
S57	Use appropriate container to avoid environmental contamination.

Exceptional labelling

	To avoid risks to man and the environment, comply with the instructions for use.
	Do not spray on a naked flame or any other incandescent material.
	Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.
	Do not pierce or burn, even after use.

Further information

WHO-classification: III (Slightly hazardous)



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16. OTHER INFORMATION

Further information

Text of R phrases mentioned in Section 3:

R12	Extremely flammable.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.