

Safety Data Sheet

THERMACELL MAT



Safety Data Sheet dated 4/12/2014, version 5

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name:

Trade code:

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Liquid insecticide

1.3. Supplier: Mayo Hardware 4 Secombe Place Moorebank NSW 2071 Tel 1300 360 211

1.4. Emergency telephone numbers

Australia - Poisons Information Centre 131 126

New Zealand 0800 764766

SECTION 2: Hazards identification

The product contain following active substances: 21,97%(w/w) d-Allethrin (CAS 231937-89-6)

2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof: Properties /

Symbols:

Xn Harmful

N Dangerous for the environment R Phrases:

R20/22 Harmful by inhalation and if swallowed.

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

R66 Repeated exposure may cause skin dryness or cracking.

EC regulation criteria 1272/2008 (CLP):



Warning, Acute Tox. 4, Harmful if inhaled.



Warning, Acute Tox. 4, Harmful if swallowed.



Warning, Aquatic Acute 1, Very toxic to aquatic life.



Warning, Aquatic Chronic 1, Very toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects: No other hazards 2.2.

Label elements

Symbols:



Warning

Hazard statements:

H302+H332 Harmful if swallowed or if inhaled.

H410 Very toxic to aquatic life with long lasting effects. Precautionary statements:

P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children.

P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P331 Do NOT induce vomiting.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

The packing must have tactile indications of danger for blind people. Contents:

d-Allethrin

Hydrocarbons, C12-C16, isoalkanes, cyclic <2% aromatics Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Special provisions according to Annex XVII of REACH and subsequent amendments: None 2.3.

Other hazards

vPvB Substances: None - PBT Substances: None Other Hazards: No other hazards

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SECTION 3: Composition/information on ingredients

3.1. Substances N.A.

3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 60% - < 70%	d-Allethrin;(Py namin forte)	Index number: 006-025-00-3 CAS: 231937-89-6 EC: 209-542-4	 3.1/4/Inhal Acute Tox. 4 H332  3.1/4/Oral Acute Tox. 4 H302  4.1/A1 Aquatic Acute 1 H400  4.1/C1 Aquatic Chronic 1 H410 Xn,N; R20/22-50/53
>= 20% - < 25%	Hydrocarbons , C12-C16, isoalkanes,cyclic <2% aromatics	EC: 927-676-8 REACH No.: 01-2119456377-30	 3.10/1 Asp. Tox. 1 H304 EUH066 Xn; R65-66
>= 5% - < 7%	Hydrocarbons , C11-C13, isoalkanes, <2% aromatics	CAS: 246538-78-3 EC: 920-901-0 REACH No.: 01-2119456810-40	 3.10/1 Asp. Tox. 1 H304 EUH066 Xn; R65-66

SECTION 4: First aid measures

4.1. Description of first aid measures In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath). Remove contaminated clothing immediately and dispose off safely. After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion: Give nothing to eat or drink. Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation: If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

4.2. Most important symptoms and effects, both acute and delayed None

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment: None

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SECTION 5: Firefighting measures

- 5.1. Extinguishing media
 - Suitable extinguishing media: Water.
 - Carbon dioxide (CO₂).
 - Extinguishing media which must not be used for safety reasons: None in particular.
- 5.2. Special hazards arising from the substance or mixture
 - Do not inhale explosion and combustion gases. Burning produces heavy smoke.
- 5.3. Advice for firefighters
 - Use suitable breathing apparatus .
 - Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
 - Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - Wear personal protection equipment.
 - Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.
 - Use appropriate respiratory protection.
 - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
 - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
 - Retain contaminated washing water and dispose it.
 - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
 - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
 - Wash with plenty of water.
- 6.4. Reference to other sections
 - See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - Use localized ventilation system.
 - Don't use empty container before they have been cleaned.
 - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
 - See also section 8 for recommended protective equipment.
 - 7.2. Conditions for safe storage, including any incompatibilities
 - Keep away from food, drink and feed.
 - Incompatible materials:
 - None in particular.
 - Instructions as regards storage premises:
 - Adequately ventilated premises.
 - 7.3. Specific end use(s)
 - None in particular
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrocarbons, C12-C16, isoalkanes, cyclic <2% aromatics

TLV TWA - 200 mg/m³

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics - CAS: 246538-78-3

TLV TWA - 1200 mg/l

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection: Not needed for normal use. Anyway, operate according good working practices.

Protection for skin: Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands: Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection: Use adequate protective respiratory equipment.

Thermal Hazards: None

Environmental exposure controls: None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour: Insecticide liquid on paper cardboard

Odour: Characteristic

Odour threshold: N.A.

pH: N.A.

Melting point / freezing point: N.A.

Initial boiling point and boiling range: N.A.

Solid/gas flammability: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Flash point: N.A.

Evaporation rate: N.A.

Vapour pressure: N.A.

Relative density: About 0,900g/ml

Solubility in water: Immiscible

Solubility in oil: Good

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Viscosity: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

9.2. Other information

Miscibility: N.A.

Fat Solubility: N.A.

Conductivity: N.A.

Substance Groups relevant properties N.A.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects Toxicological information of the mixture: N.A.

Toxicological information of the main substances found in the mixture: d-

Allethrin; (Pynamin forte); - CAS: 231937-89-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 900 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 3.85 mg/l - Duration: 4h

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics - CAS: 246538-78-3 a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat 5000 mg/m³ - Duration: 8h

Test: LC50 - Route: Oral - Species: Rat 5000 mg/kg

Test: LC50 - Route: Skin - Species: Rabbit 5000 mg/kg

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

a) acute toxicity;

b) skin corrosion/irritation;

c) serious eye damage/irritation;

d) respiratory or skin sensitisation;

e) germ cell mutagenicity;

f) carcinogenicity;

g) reproductive toxicity;

h) STOT-single exposure;

i) STOT-repeated exposure;

j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

d-Allethrin; (Pynamin forte); (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl

(1R,3R;1R,3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate -

CAS: 231937-89-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.134 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 0.047 mg/l - Duration h: 48

12.2. Persistence and degradability

d-Allethrin; (Pynamin forte)

Biodegradability: Non-readily biodegradable - Test: N.A. - Duration: N.A. - %: N.A.

- Notes: N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in

soil N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse

effects None

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

ADR-UN number: 3082

IATA-Un number: 3082

IMDG-Un number: 3082

14.2. UN proper shipping name

ADR-Shipping Name: Environmentally hazardous substance, liquid,
N.O.S (d-Allethrin). Limited quantity

IATA-Technical name: Environmentally hazardous substance, liquid, N.O.S (d-Allethrin).
Limited quantity

IMDG-Technical name: Environmentally hazardous substance, liquid, N.O.S (d-Allethrin).
Limited quantity

14.3. Transport hazard class(es)

ADR-Class: 9

IATA-Class: 9

IMDG-Class: 9

14.4. Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

14.5. Environmental hazards

Marine pollutant: Marine pollutant

14.6. Special precautions for user

IMDG-Technical name: Environmentally hazardous substance, liquid, N.O.S (d-Allethrin).
Limited quantity

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code No

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE.

Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):

Products belongs to category:

9i. No

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SECTION 16: Other information

Text of phrases referred to under heading 3:

R20/22 Harmful by inhalation and if swallowed.

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.

H332 Harmful if inhaled.

H302 Harmful if swallowed.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H304 May be fatal if swallowed and enters airways.

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification

SECTION 15: Regulatory information