



SAFETY DATA SHEET
PESTSHIELD BED BUG KILLER

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Revision No: 2

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

1.1. Product identifier

Product name: PESTSHIELD BED BUG KILLER

Product code: PS0075

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

Use of substance / mixture: SU 21 - Consumer Uses.

PC8: Biocidal products (e.g. Disinfectants, pest control).

1.3. Details of the supplier of the safety data sheet

Company name: 151 Products Ltd
The Old School House
39 Bengal Street
Manchester
M4 6AF
United Kingdom
Tel: +44 (0)161 839 5949
Fax: +44 (0)161 839 5493
Email: fereshteh@151.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0) 161 839 5949
+353 (0) 18092166 National Poison Centre -Ireland
(office hours only)

Manufacturer: 151 Products (Ireland) Ltd
Block 3
Harcourt Centre, Harcourt Road
Dublin
DO2A339
Ireland
Tel: +(44) 839 5949
Email: technical@151products.com

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Flam. Aerosol 1: H222; Aquatic Chronic 1: H410; -: EUH208; -: H229

Most important adverse effects: Contains permethrin. May produce an allergic reaction. Extremely flammable aerosol.

[cont...]

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Pressurised container: May burst if heated. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

UFI: VYG1-R07H-800S-733P

Hazard statements: EUH208: Contains permethrin. May produce an allergic reaction.

H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated.

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

Hazard pictograms: GHS02: Flame

GHS09: Environmental



Signal words: Danger

Precautionary statements: P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211: Do not spray on an open flame or other ignition source.

P251: Do not pierce or burn, even after use.

P264: Wash hands thoroughly after handling.

P273: Avoid release to the environment.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501: Dispose of contents/container to Local Authority Regulations.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

[cont...]

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PROPANE

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|---------|--|-------------------------------------|---------|
| 200-827-9 | 74-98-6 | Substance with a Community workplace exposure limit. | Flam. Gas 1: H220; Press. Gas: H280 | 10-30% |

DISTILLATES (PETROLEUM) HYDROTREATED LIGHT

| | | | | |
|-----------|------------|---|---|-------|
| 265-149-8 | 64742-47-8 | - | Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411; -: EUH066 | 1-10% |
|-----------|------------|---|---|-------|

PIPERONYL BUTOXIDE

| | | | | |
|-----------|---------|---|-------------------------|-----|
| 200-076-7 | 51-03-6 | - | Aquatic Chronic 2: H411 | <1% |
|-----------|---------|---|-------------------------|-----|

TETRAMETHRIN

| | | | | |
|-----------|-----------|---|--|-----|
| 231-711-6 | 7696-12-0 | - | Aquatic Acute 1: H400; Aquatic Chronic 1: H410 | <1% |
|-----------|-----------|---|--|-----|

PERMETHRIN

| | | | | |
|-----------|------------|---|--|-----|
| 258-067-9 | 52645-53-1 | - | Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Acute Tox. 4: H332 | <1% |
|-----------|------------|---|--|-----|

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. If irritation persists seek medical attention.

Ingestion: Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If you feel unwell seek medical attention

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If irritation persists seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be irritation of the nose and upper respiratory tract. Solvent abuse can kill.

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

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

[cont...]

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5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Read instructions before use. Ensure there is sufficient ventilation of the area. Smoking is forbidden. Do not handle in a confined space.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep away from sources of ignition. KEEP OUT OF THE REACH OF CHILDREN. Store in a cool, well ventilated area.

Suitable packaging: Not applicable.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

PROPANE

[cont...]

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Workplace exposure limits:

Respirable dust:

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|------------------------|------------------------|------------|--------------|
| UK | 1800 mg/m ³ | 7200 mg/m ³ | - | - |

DISTILLATES (PETROLEUM) HYDROTREATED LIGHT

| | | | | |
|----|----------------------|---|---|---|
| EU | 200mg/m ³ | - | - | - |
|----|----------------------|---|---|---|

DNEL/PNEC Values

Hazardous ingredients:

DISTILLATES (PETROLEUM) HYDROTREATED LIGHT

| Type | Exposure | Value | Population | Effect |
|------|----------------------|-------------|--------------------|----------|
| DNEL | Oral (repeated dose) | 19 mg/kg bw | General Population | Systemic |

PIPERONYL BUTOXIDE

| Type | Exposure | Value | Population | Effect |
|------|------------------------|------------------------|--------------------|----------|
| DNEL | Inhalation (Long term) | 3.875mg/m ³ | Workers | Systemic |
| DNEL | Inhalation (Long term) | 3.875mg/m ³ | Workers | Local |
| DNEL | Dermal (Long term) | 27.7mg/kg bw | Workers | Systemic |
| DNEL | Dermal (Long term) | 0.44mg/cm ² | Workers | Local |
| DNEL | Inhalation (Long term) | 1.94mg/m ³ | General Population | Systemic |
| DNEL | Inhalation (Long term) | 1.94mg/m ³ | General Population | Local |
| DNEL | Dermal (Long term) | 13.9mg/kg bw | General Population | Systemic |
| DNEL | Dermal (Long term) | 0.22mg/cm ² | General Population | Local |
| DNEL | Oral (Long term) | 1.14mg/kg bw | General Population | Systemic |

PERMETHRIN

| Type | Exposure | Value | Population | Effect |
|------|-----------------------------------|-----------|------------|--------|
| PNEC | Fresh water (short-term) | 0.01ug/l | - | - |
| PNEC | Fresh water sediments (long-term) | 4ug/kg dw | - | - |

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Do not use in a confined space.

Respiratory protection: No special requirements under normal conditions of use.

Hand protection: No special requirements under normal conditions of use.

Eye protection: No special requirements under normal conditions of use.

Skin protection: No special requirements under normal conditions of use.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Aerosol

Odour: Characteristic odour

[cont...]

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Solubility in water: Insoluble

Viscosity: Non-viscous

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat. Sources of ignition. Direct sunlight.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

DISTILLATES (PETROLEUM) HYDROTREATED LIGHT

| | | | | |
|---------|-----|---------|-------|-------|
| DERMAL | RBT | LD50 | >2000 | mg/kg |
| ORAL | RAT | LD50 | >5000 | mg/kg |
| VAPOURS | RAT | 4H LC50 | >5.28 | mg/l |

PIPERONYL BUTOXIDE

| | | | | |
|--------|--------|------|-------|-------|
| DERMAL | RABBIT | LD50 | >2000 | mg/kg |
| ORAL | RAT | LD50 | 5630 | mg/kg |

TETRAMETHRIN

| | | | | |
|-----------|-----|---------|------|-------|
| DUST/MIST | RAT | 3H LC50 | 2500 | mg/m3 |
| ORAL | RAT | LD50 | 4640 | mg/kg |

[cont...]

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PERMETHRIN

| | | | | |
|-----------|-----|---------|--------|-------|
| DERMAL | GPG | LD50 | > 2000 | mg/kg |
| DUST/MIST | RAT | 4H LC50 | 485 | mg/m3 |
| ORAL | RAT | LD50 | 383 | mg/kg |

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be irritation of the nose and upper respiratory tract. Solvent abuse can kill.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

PIPERONYL BUTOXIDE

| | | | |
|---|----------|------|------|
| BLUEGILL (<i>Lepomis macrochirus</i>) | 96H LC50 | 5.37 | mg/l |
| DAPHNIA (<i>Daphnia magna</i>) | 48H EC50 | 510 | ug/l |

TETRAMETHRIN

| | | | |
|--|----------|-----|------|
| Daphnia magna | 48H EC50 | 49 | µg/l |
| RAINBOW TROUT (<i>Oncorhynchus mykiss</i>) | 96H LC50 | 6.4 | µg/l |

PERMETHRIN

| | | | |
|--|----------|-------|------|
| Daphnia magna | 48H EC50 | 0.32 | µg/l |
| MARINE ALGAE (<i>Skeletonema costatum</i>) | 96H LC50 | 0.068 | mg/l |
| Pimephales promelas | 96H LC50 | 0.16 | mg/l |

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

[cont...]

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12.6. Other adverse effects

Other adverse effects: Very toxic to aquatic organisms. TOXIC TO BEES.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Disposal should be in accordance with local authority regulations.

Disposal of packaging: Disposal should be in accordance with local authority regulations. Do not pierce containers prior to disposal.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1950

14.2. UN proper shipping name

Shipping name: AEROSOLS
(PERMETHRIN; TETRAMETHRIN)

14.3. Transport hazard class(es)

Transport class: 2

14.4. Packing group

Packing group: 2.1

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D

Transport category: 2

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

[cont...]

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Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.
EUH208: Contains permethrin. May produce an allergic reaction.
H220: Extremely flammable gas.
H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H332: Harmful if inhaled.
H336: May cause drowsiness or dizziness.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.