



**SAFETY DATA SHEET**  
PESTSHIELD HOUSEHOLD FLEA SPRAY

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Compilation date: 11/02/2015

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Revision No: 3

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

**1.1. Product identifier**

**Product name:** PESTSHIELD HOUSEHOLD FLEA SPRAY

**Product code:** PS0024

**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](mailto:fereshteh@151.co.uk)

**1.4. Emergency telephone number**

**Emergency tel:** +44 (0)161 839 5949  
(office hours only)

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Flam. Aerosol 2: H223; Aquatic Chronic 2: H411; -: EUH208; -: H229

**Most important adverse effects:** Contains permethrin. May produce an allergic reaction. Flammable aerosol.  
Pressurised container: May burst if heated. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** EUH208: Contains permethrin. May produce an allergic reaction.  
H223: Flammable aerosol.  
H229: Pressurised container: May burst if heated.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.

[cont...]

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**Hazard pictograms:** GHS02: Flame

GHS09: Environmental



**Signal words:** Warning

**Precautionary statements:** P101: If medical advice is needed, have product container or label at hand.  
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.  
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.  
P501: Dispose of contents & container to local authority guidelines.

### 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:

##### 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	25-50%

##### 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	5-10%
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##### PIPERONYL BUTOXIDE

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

231-711-6	7696-12-0	-	Aquatic Acute 1: H400; Aquatic Chronic 1: H410	<1%
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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%
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**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:** Wash out mouth with water. If conscious, give half a litre of water to drink immediately.

**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.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** In combustion emits toxic fumes. Vapour may travel considerable distance to source of ignition and flash back.

**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**

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**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.

**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:** Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Smoking is forbidden.

**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:** Must only be kept in original packaging.

**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:**

**DISTILLATES (PETROLEUM) HYDROTREATED LIGHT**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA		15 min. STEL	
	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	200mg/m3	-	-	-

**DNEL/PNEC Values**

**Hazardous ingredients:**

[cont...]

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**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 <sup>3</sup>	Workers	Systemic
DNEL	Inhalation (Long term)	3.875mg/m <sup>3</sup>	Workers	Local
DNEL	Dermal (Long term)	27.7mg/kg bw	Workers	Systemic
DNEL	Dermal (Long term)	0.44mg/cm <sup>2</sup>	Workers	Local
DNEL	Inhalation (Long term)	1.94mg/m <sup>3</sup>	General Population	Systemic
DNEL	Inhalation (Long term)	1.94mg/m <sup>3</sup>	General Population	Local
DNEL	Dermal (Long term)	13.9mg/kg bw	General Population	Systemic
DNEL	Dermal (Long term)	0.22mg/cm <sup>2</sup>	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.

**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

**Solubility in water:** Miscible

**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.

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**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.  
Decomposition may occur on exposure to conditions or materials listed below.

**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/m <sup>3</sup>
ORAL	RAT	LD50	4640	mg/kg

**PERMETHRIN**

DERMAL	GPG	LD50	> 2000	mg/kg
DUST/MIST	RAT	4H LC50	485	mg/m <sup>3</sup>
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.

[cont...]

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**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.

### 12.6. Other adverse effects

**Other adverse effects:** Toxic to aquatic organisms. TOXIC TO BEES. TOXIC TO CATS

## 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.

[cont...]

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**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: 2.1

**14.4. Packing group**

**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**

Specific regulations: \* Food & Environmental Act 1985 and Regulation 5 of The Control of Pesticides Regulations. Approval No: 9733  
Department of Agriculture, Food and the Marine Approval Number PCS 97792

**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.

Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.

EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H220: Extremely flammable gas.

H223: 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.

[cont...]



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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.