

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

**beaphar**<sup>®</sup>

**Trade name :** FLEATEC SPRAY 600ML  
HOUSEHOLD FLEA SPRAY

**Revision date :** 24.07.2018

**Print date :** 01-10-2018

**Version (Revision) :** 1.0.3 (1.0.2)

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

### 1.1 Product identifier

FLEATEC SPRAY 600ML  
HOUSEHOLD FLEA SPRAY (17115)

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

**Relevant identified uses**

Biocide

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier :**

Beaphar B.V.

**Street :** Drostenkamp 3

**Postal code/city :** NL - 8101 BX Raalte

**Telephone :** +31 (0)572 348 834

**Telefax :** +31 (0)572 348 835

**Information contact :** SDS@Beaphar.com

### 1.4 Emergency telephone number

Beaphar: +31 (0)612 968 231 (08:00 - 17:00 h), Contact: J. van den Eertwegh

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

Aquatic Acute 1 ; H400 - Hazardous to the aquatic environment : Acute 1 ; Very toxic to aquatic life.

Aquatic Chronic 1 ; H410 - Hazardous to the aquatic environment : Chronic 1 ; Very toxic to aquatic life with long lasting effects.

Aerosol 1 ; H222 - Aerosols : Category 1 ; Extremely flammable aerosol.

Aerosol 1 ; H229 - Aerosols : Category 1 ; Pressurised container: May burst if heated.

### 2.2 Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Hazard pictograms**



Flame (GHS02) · Environment (GHS09)

**Signal word**

Danger

**Hazard statements**

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

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.  
P391 Collect spillage.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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P501 Dispose of contents/container according to the local rules.

### Special rules for supplemental label elements for certain mixtures

EUH208 Contains PERMETHRIN (ISO). May produce an allergic reaction.

### Additional information

Keep only in well ventilated zones.

Do not use for a usage other one than the one for which the product is intended.

Ventilate after use.

### 2.3 Other hazards

REACH SVHC < 0.1%

Considering the information communicated by our suppliers, according to article 33 of REACH, the mixture contains, at the date of revision of the MSDS, less than 0.1 % m/m of 'Substances of very high concern' (SVHC) published by the European Agency of Chemicals (ECHA) according to article 57 of the REACH: <https://echa.europa.eu/candidate-list-table>

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY ; EC No. : 265-150-3; CAS No. : 64742-48-9

Weight fraction :  $\geq 50 \%$

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304

PERMETHRIN (ISO) ; EC No. : 258-067-9; CAS No. : 52645-53-1

Weight fraction :  $\geq 0,1 - < 1 \%$

Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Acute Tox. 4 ; H332 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

S-METHOPRENE ; CAS No. : 65733-16-6

Weight fraction :  $< 1 \%$

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 STOT SE 3 ; H335 Aquatic Acute 1 ; H400

PYRETHRUM ; EC No. : 232-319-8; CAS No. : 8003-34-7

Weight fraction :  $< 2,5 \%$

Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

#### Additional information

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

#### Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician. If breathing is irregular or stopped, administer artificial respiration.

#### In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

#### After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink plenty of water. Seek medical advice immediately.

#### Self-protection of the first aider

First aider: Pay attention to self-protection! No special measures are necessary.

#### Information to physician

No known symptoms to date.

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

No information available.

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

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

alcohol resistant foam  
Extinguishing powder  
ABC-powder  
Carbon dioxide (CO<sub>2</sub>)  
Sand  
Water spray jet

#### Unsuitable extinguishing media

Full water jet

### 5.2 Special hazards arising from the substance or mixture

None

### 5.3 Advice for firefighters

None

### 5.4 Additional information

Burning produces heavy smoke. Move undamaged containers from immediate hazard area if it can be done safely. Use water spray jet to protect personnel and to cool endangered containers. Do not allow run-off from fire-fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Use personal protection equipment. Wear breathing apparatus if exposed to vapours/dusts/aerosols. See protective measures under point 7 and 8. Provide adequate ventilation.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Avoid dust formation. Treat the recovered material as prescribed in the section on waste disposal.

### 6.4 Reference to other sections

Safe handling: see section 7 Disposal: see section 13 Personal protection equipment: see section 8

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

It is recommended to design all work processes always so that the following is excluded:

Inhalation  
Skin contact  
Eye contact

When using do not eat, drink, smoke, sniff. If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

#### Protective measures

Always close containers tightly after the removal of product. Do not spray on naked flames or any incandescent material.

#### Measures to prevent fire

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Provide earthing of containers,

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equipment, pumps and ventilation facilities. Use only antistatically equipped (spark-free) tools. Take precautionary measures against static discharges.

## 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep/Store only in original container. Never use pressure to empty container. Always close containers tightly after the removal of product. Take care when re-opening already used containers. Only allow access to authorised staff.

### Requirements for storage rooms and vessels

Ensure adequate ventilation of the storage area.

### Hints on joint storage

**Storage class :** 2B

**Storage class (TRGS 510) :** 2B

### Further information on storage conditions

Only use containers specifically approved for the substance/product. Notice the directions for use on the label. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Keep container tightly closed in a cool, well-ventilated place.

## 7.3 Specific end use(s)

Consumer uses: Private households (= general public = consumers) Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

BUTANE ; CAS No. : 106-97-8

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 1000 ppm / 2400 mg/m<sup>3</sup>

Peak limitation : 4(II)

Version : 17-10-2017

PROPANE ; CAS No. : 74-98-6

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 1000 ppm / 1800 mg/m<sup>3</sup>

Peak limitation : 4(II)

Version : 17-10-2017

### 8.2 Exposure controls

#### Appropriate engineering controls

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

#### Personal protection equipment

##### Eye/face protection

###### Suitable eye protection

Eye glasses with side protection

###### Recommended eye protection articles

DIN EN 166

##### Skin protection

###### Hand protection

**By short-term hand contact :** By short-term hand contact

**Suitable gloves type :** Disposable gloves.

**Suitable material :** NBR (Nitrile rubber)

**Required properties :** liquid-tight.

**Breakthrough time (maximum wearing time) :** > 30 min

**Thickness of the glove material :** > 0,1 mm

**Recommended glove articles :** DIN EN 374

**Additional hand protection measures :** Use gloves only once.

**Remark :** The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these

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Version (Revision) : 1.0.3 (1.0.2)

gloves.

## Respiratory protection

Usually no personal respiratory protection necessary.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Colour :** Colourless.

**Odour :** Characteristic.

#### Safety relevant basis data

<b>Physical state :</b>		Aerosol
<b>Melting point/melting range :</b>		No data available
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	No data available
<b>Decomposition temperature :</b>		No data available
<b>Freezing point :</b>		No data available
<b>Flash point :</b>	<	50 °C
<b>Auto-ignition temperature :</b>		No data available
<b>Flammability (solid, gas) :</b>		No data available
<b>Lower explosion limit :</b>		No data available
<b>Upper explosion limit :</b>		No data available
<b>Explosive properties :</b>		No data available
<b>Vapour Pressure :</b>	( 20 °C )	No data available
<b>Evaporation rate (n-butylacetate = 1) :</b>		No data available
<b>Density :</b>	( 20 °C )	approx. 1 g/cm <sup>3</sup>
<b>Water solubility :</b>	( 20 °C )	No data available
<b>pH :</b>		No data available
<b>Partition coefficient (n-octanol/water) :</b>		No data available
<b>Viscosity :</b>	( 20 °C )	No data available
<b>Odour threshold</b>		No data available
<b>Vapour density (air = 1) :</b>	( 101 kPa )	No data available
<b>Oxidising properties :</b>		No data available

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

There are no data available on the preparation/mixture itself.

### 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3 Possibility of hazardous reactions

There are no data available on the preparation/mixture itself.

### 10.4 Conditions to avoid

In case of exceeding the storage temperature: Ignition hazard.

### 10.5 Incompatible materials

There are no data available on the preparation/mixture itself.

### 10.6 Hazardous decomposition products

There are no data available on the preparation/mixture itself.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

There are no data available on the preparation/mixture itself.

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## Acute effects

### Acute oral toxicity

Parameter : LD50 ( PERMETHRIN (ISO) ; CAS No. : 52645-53-1 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 1470 mg/kg

Parameter : LD50 ( PYRETHRUM ; CAS No. : 8003-34-7 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 200 mg/kg

Parameter : LD50 ( PYRETHRUM ; CAS No. : 8003-34-7 )  
Exposure route : Oral  
Species : Mouse  
Effective dose : 370 mg/kg

### Acute dermal toxicity

Parameter : LD50 ( PERMETHRIN (ISO) ; CAS No. : 52645-53-1 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : 4000 mg/kg

### Acute inhalation toxicity

Parameter : LC50 ( BUTANE ; CAS No. : 106-97-8 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : 659 g/m<sup>3</sup>

Parameter : LC50 ( BUTANE ; CAS No. : 106-97-8 )  
Exposure route : Inhalation  
Species : Mouse  
Effective dose : 680 g/m<sup>3</sup>

## Sensitisation

### In case of inhalation

## 11.5 Additional information

There are no data available on the preparation/mixture itself.

## SECTION 12: Ecological information

### 12.1 Toxicity

There are no data available on the preparation/mixture itself.

### 12.2 Persistence and degradability

There are no data available on the preparation/mixture itself.

### 12.3 Bioaccumulative potential

There are no data available on the preparation/mixture itself.

### 12.4 Mobility in soil

There are no data available on the preparation/mixture itself.

### 12.5 Results of PBT and vPvB assessment

There are no data available on the preparation/mixture itself.

### 12.6 Other adverse effects

No information available.

### 12.7 Additional ecotoxicological information

There are no data available on the preparation/mixture itself.

#### Additional information

Discharge into the environment must be avoided. The evaluation was carried out according to the calculation method of the preparation directive.

## SECTION 13: Disposal considerations

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## 13.1 Waste treatment methods

### Product/Packaging disposal

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

### Waste treatment options

#### Appropriate disposal / Product

Dispose of waste according to applicable legislation.

#### Appropriate disposal / Package

Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

### 14.1 UN number

UN 1950

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

AEROSOLS

#### Sea transport (IMDG)

AEROSOLS ( PERMETHRIN (ISO) )

#### Air transport (ICAO-TI / IATA-DGR)

AEROSOLS, FLAMMABLE

### 14.3 Transport hazard class(es)

#### Land transport (ADR/RID)

Class(es) : 2  
Classification code : 5F  
Hazard identification number (Kemler No.) : 23  
Tunnel restriction code : D  
Special provisions : LQ 11 · E 0  
Hazard label(s) : 2.1 / N

#### Sea transport (IMDG)

Class(es) : 2.1  
EmS-No. : F-D / S-U  
Special provisions : LQ 11 · E 0  
Hazard label(s) : 2.1 / N

#### Air transport (ICAO-TI / IATA-DGR)

Class(es) : 2.1  
Special provisions : E 0  
Hazard label(s) : 2.1

### 14.4 Packing group

### 14.5 Environmental hazards

Land transport (ADR/RID) : Yes  
Sea transport (IMDG) : Yes (P)  
Air transport (ICAO-TI / IATA-DGR) : Yes

### 14.6 Special precautions for user

None

## SECTION 15: Regulatory information

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

#### National regulations

##### Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

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## Water hazard class (WGK)

Class : 2 (Significant hazardous to water) Classification according to VwVwS

## Other regulations, restrictions and prohibition regulations

### Betriebssicherheitsverordnung (BetrSichV)

No flammable liquid according to BetrSichV.

## 15.2 Chemical safety assessment

No information available.

## SECTION 16: Other information

### 16.1 Indication of changes

02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 03. Hazardous ingredients · 14. UN proper shipping name - Sea transport (IMDG) · 14. Transport hazard class(es) - Land transport (ADR/RID)

### 16.2 Abbreviations and acronyms

See overview table at [www.euphrac.eu](http://www.euphrac.eu).

Short list

ADR : European Agreement Concerning the International Carriage of Dangerous Goods by Road

DNEL : Derived no effect level

EC10 : 10% Effective concentration

EC50 : Median effective concentration

ECHA : European Chemicals Agency

GHS : Globally Harmonised System of Classification and Labelling of Chemicals

IATA - DGR : International Air Transport Association Dangerous Goods Regulations

ICAO-TI : Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG : International Maritime Dangerous Goods Code

LC50 : Median lethal concentration. The concentration causing 50 % lethality

LD50 : Median lethal dose. The dose causing 50 % lethality

NOEC : No observed effect concentration

NOEL : No observed effect level

OECD : Organisation for Economic Co-operation and Development

PBT : Persistent, bioaccumulative, toxic

PNEC : Predicted no-effect concentration

PPE : Personal protection equipment

REACH : Registration, Evaluation and Authorization of Chemicals

RID : Regulations concerning the International carriage of Dangerous Goods by Rail

SVHC : Substances of very high concern

TWA : Time-weighted average exposure

vPvB : very persistent and very bioaccumulative

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Calculation method.

### 16.5 Relevant H- and EUH-phrases (Number and full text)

H222	Extremely flammable aerosol.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.
H302+H332	Harmful if swallowed or if inhaled.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### 16.6 Training advice

None

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**16.7 Additional information**

None

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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