

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

### 1.1. Product identifier

Product form : Mixture  
Product name : Pyretrex Fogger  
UFI : U2PT-6EP2-H10N-E5QX  
Product Code Pelsis : PF25, PF25S, 1103004417

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use  
Use of the substance/mixture : Insecticide

#### 1.2.2. Uses advised against

No additional information available

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

Pelsis Belgium N.V.  
Industrieweg 15  
BE 2880 Bornem, Antwerpen  
Belgium  
T 0032(0)3 886 22 11, F 0032(0)3 886 24 60  
[bart.goiris@pelsis.com](mailto:bart.goiris@pelsis.com), [www.pelsis.com](http://www.pelsis.com)

### 1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B -1120 Brussels	+32 70 245 245	

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Flammable liquids, Category 3 H226  
Aspiration hazard, Category 1 H304  
Hazardous to the aquatic environment – Acute Hazard, H400  
Category 1  
Hazardous to the aquatic environment – Chronic Hazard, H410  
Category 1  
Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS08

GHS09

Signal word (CLP) :

Danger

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Contains	: Hydrocarbons, C11-C13, isoalkanes, <2% aromatic; Hydrocarbons, C11-C12, isoalkanes, <2% aromates; hydrocarbons C11 -C14 n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds
Hazard statements (CLP)	: H226 - Flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. P391 - Collect spillage.
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking. EUH401 - To avoid risks to human health and the environment, comply with the instructions for use. EUH208 - Contains Chrysanthemum cinerariaefolium, extract from open and mature flowers of Tanacetum cinerariifolium obtained with supercritical CO2. May produce an allergic reaction.

### 2.3. Other hazards

vPvB: not relevant – no registration required

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C11-C13, isoalkanes, <2% aromatic	EC-No.: 920-901-0 REACH-no: 01-2119456810-40	40-70	Asp. Tox. 1, H304
Hydrocarbons, C11-C12, isoalkanes, <2% aromates	EC-No.: 918-167-1 REACH-no: 01-2119472146-39	40-70	Flam. Liq. 3, H226 Asp. Tox. 1, H304
hydrocarbons C11 -C14 n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds	EC-No.: 926-141-6 REACH-no: 01-2119456620-43	12.23	Asp. Tox. 1, H304
Piperonyl butoxide	CAS-No.: 51-03-6 EC-No.: 200-076-7 EC Index-No.: 604-096-00-0 REACH-no: 01-2119537431-46	1 – 5	STOT SE 3, H335 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)
Chrysanthemum cinerariaefolium, extract from open and mature flowers of Tanacetum cinerariifolium obtained with supercritical CO2	CAS-No.: 89997-63-7 EC-No.: 289-699-3	0.39	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Sens. 1B, H317 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=100)

Full text of H- and EUH-statements: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: See Heading 8. Never give anything by mouth to an unconscious person. If possible show this sheet, if not available show packaging or label.
First-aid measures after inhalation	: Fresh air, rest. In case of symptoms, seek medical advice and show label, packaging or the leaflet.
First-aid measures after skin contact	: Rinse skin with plenty of water or take a shower for about 15 minutes. Remove contaminated clothing and shoes. Seek medical advice immediately. Show label, packaging or leaflet.
First-aid measures after eye contact	: Rinse with plenty of water for 10 minutes. Rinse AWAY from the eye that has not been contaminated. If contact lenses are easy to remove, remove them first then clean. Seek medical advice and show container or label.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call an ambulance, hospitalisation is necessary. Show label of packaging.

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

Symptoms/effects after inhalation	: High concentrations of the product mist can be irritating to the upper respiratory tract and cause sore throat, coughing, dizziness, drowsiness and even unconsciousness.
Symptoms/effects after skin contact	: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Note for doctor: Prehospital: symptomatic treatment. Contact the poisons information centre for further treatment in the hospital.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Dry powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Fire hazard	: Flammable.
Explosion hazard	: Vapours may form explosive mixture with air.

#### 5.3. Advice for firefighters

Precautionary measures fire	: No naked lights. Do not smoke.
Firefighting instructions	: Eliminate all ignition sources if safe to do so. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Evacuate personnel to a safe area. Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Keep public away from danger area.

### SECTION 6: Accidental release measures

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

General measures	: Avoid contact with eyes. Remove ignition sources. Wear suitable protective clothing and gloves. Remove any possible cause of fire. Clear the danger area. Use special care to avoid static electric charges. Ensure there is adequate ventilation. Do not breathe spray.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing and gloves. Concerning personal protective equipment to use, see item 8.
Emergency procedures	: Evacuate unnecessary personnel.

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### 6.1.2. For emergency responders

- Protective equipment : Concerning personal protective equipment to use, see item 8. Manipulations are to be done only by qualified and authorised persons.
- Emergency procedures : Stop leak if safe to do so.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Do not pollute ground and surface water.

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

- For containment : Prevent spreading in sewers. Clean up any spills as soon as possible, using an absorbent material to collect it.
- Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it.
- Other information : If on skin, take off contaminated clothing. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

### 6.4. Reference to other sections

Concerning personal protective equipment to use, see item 8. Concerning disposal elimination after cleaning, see item 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : See Section 10. Concerning personal protective equipment to use, see item 8. Ensure adequate ventilation. Avoid all eye and skin contact and do not breathe vapour and mist. Do not breathe spray.
- Precautions for safe handling : Avoid contact with skin and eyes. Use only outdoors or in a well-ventilated area. Eliminate all ignition sources if safe to do so.
- Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Store in original container. Keep out of reach of children and pets. Store in dry, cool, well-ventilated area. Refer to Section 10 on Incompatible Materials. Protect from moisture. Keep away from food, drink and animal feeding stuffs.
- Incompatible products : Strong bases. Strong acids.
- Special rules on packaging : Keep only in original container.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

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### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Do not smoke.

### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Avoid contact with eyes. Wear closed safety glasses (EN166:2001)

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Long sleeved protective clothing

##### Hand protection:

Chemical resistant gloves (according to European standard EN 374-1:2003). nitrile rubber gloves. If hands feel dry, use a moisturizer.

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Do not breathe spray. CE-approved mask for organic vapors and solvents type A

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Slightly yellow.
Appearance	: Colourless to light yellow.
Odour	: paraffin odour.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: > 190 °C
Flammability	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 50 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 6.5 mm <sup>2</sup> /s
Viscosity, dynamic	: 0.007 Pa·s
Solubility	: Material insoluble in water. Soluble in organic solvents.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 0.77426 g/cm <sup>3</sup>
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

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### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

On burning: release of carbon monoxide - carbon dioxide.

### 10.2. Chemical stability

Combustible liquid. Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Ignition sources. Open flame. Refer to Section 10 on Incompatible Materials. See section 7: Handling and storage.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Pyretrex Fogger	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 4000 mg/kg
LC50 Inhalation - Rat	4.74 mg/l
LC50 Inhalation - Rat (Dust/Mist)	4.74 mg/l/4h
ATE CLP (vapours)	4.74 mg/l/4h

### hydrocarbons C11 -C14 n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds

LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)  
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)  
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

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STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

Piperonyl butoxide (51-03-6)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : May be fatal if swallowed and enters airways.

Pyretrex Fogger	
Viscosity, kinematic	6.5 mm <sup>2</sup> /s

Hydrocarbons, C11-C13, isoalkanes, <2% aromatic	
Viscosity, kinematic	1.77 mm <sup>2</sup> /s

hydrocarbons C11 -C14 n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds	
Viscosity, kinematic	2.4 mm <sup>2</sup> /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)'

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : May cause long lasting harmful effects to aquatic life.

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

Pyretrex Fogger	
Persistence and degradability	Biodegradable.

Piperonyl butoxide (51-03-6)	
Persistence and degradability	Rapidly degradable

Hydrocarbons, C11-C13, isoalkanes, <2% aromatic	
Persistence and degradability	Rapidly degradable

Hydrocarbons, C11-C12, isoalkanes, <2% aromates	
Persistence and degradability	Rapidly degradable

Chrysanthemum cinerariaefolium, extract from open and mature flowers of Tanacetum cinerariifolium obtained with supercritical CO <sub>2</sub> (89997-63-7)	
Persistence and degradability	Rapidly degradable

hydrocarbons C11 -C14 n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds	
Persistence and degradability	Rapidly degradable

### 12.3. Bioaccumulative potential

Pyretrex Fogger	
Bioaccumulative potential	The substance may bioaccumulate.






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### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	: F1
Special provisions (ADR)	: 274, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange plates	: 

Tunnel restriction code (ADR) : D/E

#### Transport by sea

Special provisions (IMDG)	: 223, 274, 955
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: A

#### Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

##### EU restriction list (REACH Annex XVII)

Reference code	Applicable on
3.	Piperonyl butoxide

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### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

#### Belgium

Belgian National Regulations : Authorization number:  
BE-REG-00801.

## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains Chrysanthemum cinerariaefolium, extract from open and mature flowers of Tanacetum cinerariifolium obtained with supercritical CO2. May produce an allergic reaction.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

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Full text of H- and EUH-statements:	
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Safety Data Sheet (SDS), EU

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