

# Safety data sheet

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BASF Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 03.01.2024

Version: 2.0

Product: **Pluresto Extra**

(ID no. 30595048/SDS\_CPA\_00/EN)

Date of print 11.06.2025

## 1. Identification

### Product identifier

## Pluresto Extra

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

Relevant identified uses: insecticide

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

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Crop Protection

Telephone: +49 621 60-27777

E-mail address: Produktinformation-Pflanzenschutz@basf.com

### Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

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## 2. Hazards Identification

### Classification of the substance or mixture

According to UN GHS criteria

Asp. Tox. 2

Eye Dam./Irrit. 2B

| STOT SE 3 (May cause drowsiness and dizziness.)

Aquatic Acute 1

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Aquatic Chronic 1

Ozone 1

Aerosol 1

For the classifications not written out in full in this section the full text can be found in section 16.

## Label elements

### Globally Harmonized System (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

|      |                                                                                      |
|------|--------------------------------------------------------------------------------------|
| H222 | Extremely flammable aerosol.                                                         |
| H229 | Pressurized container: May burst if heated.                                          |
| H320 | Causes eye irritation.                                                               |
| H305 | May be harmful if swallowed and enters airways.                                      |
| H336 | May cause drowsiness or dizziness.                                                   |
| H400 | Very toxic to aquatic life.                                                          |
| H410 | Very toxic to aquatic life with long lasting effects.                                |
| H420 | Harms public health and the environment by destroying ozone in the upper atmosphere. |

Precautionary Statement:

|      |                                                                       |
|------|-----------------------------------------------------------------------|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children.                                        |
| P103 | Read carefully and follow all instructions.                           |

Precautionary Statements (Prevention):

|      |                                                                                                |
|------|------------------------------------------------------------------------------------------------|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P271 | Use only outdoors or in a well-ventilated area.                                                |
| P261 | Avoid breathing mist or vapour or spray.                                                       |
| P211 | Do not spray on an open flame or other ignition source.                                        |
| P251 | Do not pierce or burn, even after use.                                                         |
| P264 | Wash contaminated body parts thoroughly after handling.                                        |
| P262 | Do not get in eyes, on skin, or on clothing.                                                   |

Precautionary Statements (Response):

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|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P312               | Call a POISON CENTER or physician if you feel unwell.                                                                            |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P304 + P340        | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                       |
| P301 + P310        | IF SWALLOWED: Immediately call a POISON CENTER or physician.                                                                     |
| P391               | Collect spillage.                                                                                                                |
| P337 + P313        | If eye irritation persists: Get medical attention.                                                                               |
| P331               | Do NOT induce vomiting.                                                                                                          |

**Precautionary Statements (Storage):**

|             |                                                                             |
|-------------|-----------------------------------------------------------------------------|
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed.            |
| P410 + P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. |
| P405        | Store locked up.                                                            |

**Precautionary Statements (Disposal):**

|      |                                                                                   |
|------|-----------------------------------------------------------------------------------|
| P501 | Dispose of contents and container to hazardous or special waste collection point. |
| P502 | Refer to manufacturer or supplier for information on recovery or recycling        |

**Labeling of special preparations (GHS):**

The product contains fluorinated greenhouse gases according to regulation (EC) No 517/2014. 60 %1,1-Difluoroethane

| May cause paraesthesia. Contains: Pyrethrins and Pyrethroids

According to UN GHS criteria

| Hazard determining component(s) for labelling: Propan-2-ol

**Other hazards**According to UN GHS criteria

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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**3. Composition/Information on Ingredients****Substances**

Not applicable

**Mixtures**Chemical nature

crop protection product, insecticide

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Hazardous ingredients (GHS)

According to UN GHS criteria

## 2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether

|                      |                                       |
|----------------------|---------------------------------------|
| Content (W/W): 5 %   | Aquatic Acute 1                       |
| CAS Number: 51-03-6  | Aquatic Chronic 1                     |
| EC-Number: 200-076-7 | Eye Dam./Irrit. 2A                    |
|                      | STOT SE 3 (irr. to respiratory syst.) |
|                      | M-factor acute: 1                     |
|                      | M-factor chronic: 1                   |
|                      | H319, H335, H400, H410                |
|                      | EUH066                                |

## | Pyrethrins and Pyrethroids

|                            |                                      |
|----------------------------|--------------------------------------|
| Content (W/W): 1 %         | Flam. Liq. 4                         |
| CAS Number: 8003-34-7      | Acute Tox. 4 (oral)                  |
| EC-Number: 232-319-8       | Acute Tox. 4 (Inhalation - mist)     |
| INDEX-Number: 613-022-00-6 | Acute Tox. 4 (dermal)                |
|                            | Aquatic Acute 1                      |
|                            | Aquatic Chronic 1                    |
|                            | M-factor acute: 100                  |
|                            | M-factor chronic: 100                |
|                            | H227, H302 + H312 + H332, H400, H410 |

## 1,1-Difluoroethane

|                       |                       |
|-----------------------|-----------------------|
| Content (W/W): < 70 % | Press. Gas Compr. Gas |
| CAS Number: 75-37-6   | Aquatic Acute 3       |
| EC-Number: 200-866-1  | Flam. Gas 1           |
|                       | H280, H220            |

## | Propan-2-ol

|                            |                                      |
|----------------------------|--------------------------------------|
| Content (W/W): < 30 %      | Asp. Tox. 2                          |
| CAS Number: 67-63-0        | Flam. Liq. 2                         |
| EC-Number: 200-661-7       | Acute Tox. 5 (oral)                  |
| INDEX-Number: 603-117-00-0 | Eye Dam./Irrit. 2A                   |
|                            | STOT SE 3 (drowsiness and dizziness) |
|                            | H225, H319, H303, H305, H336         |

Distillates (petroleum), hydro- treated light; Kerosine — unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 °C to 290 °C (302 °F to 554 °F).]

|                            |              |
|----------------------------|--------------|
| Content (W/W): < 10 %      | Asp. Tox. 1  |
| CAS Number: 64742-47-8     | Flam. Liq. 4 |
| INDEX-Number: 649-422-00-2 | H227, H304   |

## | 2,6-di-tert-Butyl-p-cresol

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|                      |                     |
|----------------------|---------------------|
| Content (W/W): < 3 % | Aquatic Acute 1     |
| CAS Number: 128-37-0 | Aquatic Chronic 1   |
| EC-Number: 204-881-4 | M-factor chronic: 1 |
|                      | H400, H410          |

For the classifications not written out in full in this section the full text can be found in section 16.

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## 4. First-Aid Measures

### Description of first aid measures

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Wash thoroughly with soap and water

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting due to aspiration hazard.

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

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

Hazards: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11. (Further) symptoms and / or effects are not known so far

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

Treatment: Symptomatic treatment (decontamination, vital functions).

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:

water spray, carbon dioxide, foam, dry powder

### Special hazards arising from the substance or mixture

Carbon monoxide, Carbon dioxide, Hydrogen fluoride, nitrogen oxides, halogenated compounds, silica compounds

The substances/groups of substances mentioned can be released in case of fire. Aerosol container contains flammable gas under pressure.

**Advice for fire-fighters**

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

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## 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**

Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

**Environmental precautions**

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

**Methods and material for containment and cleaning up**

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Wear suitable protective equipment.

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## 7. Handling and Storage

**Precautions for safe handling**

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:

Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

**Conditions for safe storage, including any incompatibilities**

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight. Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.

Protect from temperatures above: 50 °C

The packed product must be protected against exceeding the indicated temperature.

**Specific end use(s)**

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For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## 8. Exposure Controls/Personal Protection

### Control parameters

#### Components with occupational exposure limits

67-63-0: Propan-2-ol  
8003-34-7: Pyrethrins and Pyrethroids  
75-37-6: 1,1-Difluoroethane  
64742-47-8: Distillates (petroleum), hydrotreated light

### Exposure controls

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic, alkaline compounds and toxic particles (e. g. EN 14387 Type ABEK-P3)

##### Hand protection:

Suitable chemical resistant safety gloves (EN ISO 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

##### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

##### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

#### General safety and hygiene measures

Wearing of closed work clothing is recommended. The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

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## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

|                  |                                                              |
|------------------|--------------------------------------------------------------|
| Form:            | liquid, aerosol                                              |
| Colour:          | yellow                                                       |
| Odour:           | characteristic, of the solvent contained in the product      |
| Odour threshold: | Not determined due to potential health hazard by inhalation. |

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|                                                     |                                                                                                                            |              |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------|
| pH value:                                           | approx. 3 - 5<br>(10 g/l, approx. 23 °C)                                                                                   |              |
| Melting temperature:                                | < -30 °C                                                                                                                   |              |
| onset of boiling:                                   | -25 °C                                                                                                                     |              |
| Flash point:                                        | > -13 °C                                                                                                                   |              |
| Evaporation rate:                                   | Information applies to the solvent.                                                                                        |              |
| Flammability:                                       | not applicable                                                                                                             |              |
| Lower explosion limit:                              | Extremely flammable.                                                                                                       | (calculated) |
| Upper explosion limit:                              | 3,9 %(V)                                                                                                                   | (air)        |
| Ignition temperature:                               | 16,9 %(V)                                                                                                                  | (air)        |
|                                                     | 455 °C                                                                                                                     |              |
|                                                     | The product has not been tested.<br>The statement has been derived from<br>the properties of the individual<br>components. |              |
| Vapour pressure:                                    | approx. 5,3 bar<br>(approx. 21 °C)                                                                                         |              |
|                                                     | The statements are based on the<br>properties of the individual<br>components.                                             |              |
| Density:                                            | approx. 0,82 g/cm <sup>3</sup><br>(20 °C)                                                                                  |              |
| Relative vapour density (air):                      | approx. 0,82                                                                                                               |              |
| Solubility in water:                                | not applicable                                                                                                             |              |
| Partitioning coefficient n-octanol/water (log Kow): | dispersible                                                                                                                |              |
| Thermal decomposition:                              | not applicable                                                                                                             |              |
| Viscosity, dynamic:                                 | No decomposition if stored and handled as prescribed/indicated.                                                            |              |
| Explosion hazard:                                   | approx. 2,88 mPa.s<br>(approx. 22 °C)                                                                                      |              |
| Fire promoting properties:                          | Based on the chemical structure<br>there is no indication of explosive<br>properties.                                      |              |
|                                                     | Based on its structural properties<br>the product is not classified as<br>oxidizing.                                       |              |

## Other information

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

**Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

**Possibility of hazardous reactions**

No hazardous reactions if stored and handled as prescribed/indicated.

**Conditions to avoid**

See SDS section 7 - Handling and storage.

**Incompatible materials**

Substances to avoid:

strong bases, strong acids, strong oxidizing agents

**Hazardous decomposition products**

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

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**11. Toxicological Information****Information on toxicological effects**Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

Experimental/calculated data:

LD50 rat (oral): > 2.000 mg/kg

No mortality was observed.

LC50 rat (by inhalation): > 2,08 mg/l 4 h

No mortality was observed.

LD50 rat (dermal): > 2.000 mg/kg

No mortality was observed.

Irritation

Assessment of irritating effects:

Eye contact causes irritation. Not irritating to the skin.

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

Serious eye damage/irritation rabbit: Irritant.

Respiratory/Skin sensitization

Assessment of sensitization:

No sensitizing effect.

Experimental/calculated data:

Buehler test guinea pig: Non-sensitizing.

#### Germ cell mutagenicity

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

#### Carcinogenicity

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies gave no indication of a carcinogenic effect.

#### Reproductive toxicity

Assessment of reproduction toxicity:

The results of animal studies gave no indication of a fertility impairing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

#### Developmental toxicity

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

#### Specific target organ toxicity (single exposure)

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: 2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether*

*Assessment of repeated dose toxicity:*

*The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the liver after repeated inhalation of high doses. Repeated dermal uptake of the substance did not cause substance-related effects.*

*Information on: Propan-2-ol*

*Assessment of repeated dose toxicity:*

*The substance may cause damage to the kidney after repeated inhalation.*

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Aspiration hazard

| May also damage the lung at swallowing (aspiration hazard).  
The product has not been tested. The statement has been derived from the properties of the individual components.

Other relevant toxicity information

Misuse can be harmful to health.

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## 12. Ecological Information

### Toxicity

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

The product has not been tested. The statement has been derived from the properties of the individual components.

| *Information on: Pyrethrins and Pyrethroids*

*Toxicity to fish:*

*LC50 (96 h) 0,0052 mg/l, Oncorhynchus mykiss*

*Information on: 2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether*

*Toxicity to fish:*

| *LC50 (96 h) 3,49 mg/l, Cyprinodon variegatus (OECD Guideline 203, Flow through.)*

| *The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.*

| *Information on: Pyrethrins and Pyrethroids*

*Aquatic invertebrates:*

| *EC50 (96 h) 0,0014 mg/l, Mysidopsis bahia*

*Information on: 2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether*

*Aquatic invertebrates:*

| *EC50 (48 h) 0,51 mg/l, Daphnia magna (OECD Guideline 202, part 1, Flow through.)*

| *The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.*

| *No observed effect concentration (28 d) 0,063 mg/l, aquatic arthropod (other)*

| *The details of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested. Limit concentration test only (LIMIT test).*

*Information on: 2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether*

*Aquatic plants:*

| *EC50 (72 h) 3,89 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)*

| *The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.*

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*No observed effect concentration (72 h) 0,824 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)*

*The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.*

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*Information on: Pyrethrins and Pyrethroids*

*Chronic toxicity to fish:*

*No observed effect concentration 0,0019 mg/l, Pimephales promelas*

*Information on: 2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether*

*Chronic toxicity to fish:*

*No observed effect concentration (35 d) 0,18 mg/l, Pimephales promelas (OPP 72-4 (EPA-Guideline), Flow through.)*

*The details of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.*

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*Information on: Pyrethrins and Pyrethroids*

*Chronic toxicity to aquatic invertebrates:*

*No observed effect concentration (28 d) 0,00086 mg/l, Daphnia magna*

*Information on: 2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether*

*Chronic toxicity to aquatic invertebrates:*

*No observed effect concentration (21 d) 0,03 mg/l, Daphnia magna (OPP 72-4 (EPA-Guideline), Flow through.)*

*The details of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.*

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## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Pyrethrins and Pyrethroids*

*Assessment biodegradation and elimination (H<sub>2</sub>O):*

*Not readily biodegradable (by OECD criteria).*

*Information on: 2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether*

*Assessment biodegradation and elimination (H<sub>2</sub>O):*

*Not readily biodegradable (by OECD criteria).*

-----

## Bioaccumulative potential

Assessment bioaccumulation potential:

The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Pyrethrins and Pyrethroids*

*Bioaccumulation potential:*

*Bioconcentration factor: 471*

*Accumulation in organisms is not to be expected.*

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*Information on: 2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether**Bioaccumulation potential:**Bioconcentration factor: 91 - 380 (28 d), Lepomis macrochirus (OECD Guideline 305 E)*  
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### **Mobility in soil**

Assessment transport between environmental compartments:

Adsorption in soil: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Pyrethrins and Pyrethroids**Assessment transport between environmental compartments:**Adsorption in soil: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.**Information on: 2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether**Assessment transport between environmental compartments:**Adsorption in soil: Adsorption to solid soil phase is not expected.*  
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### **Results of PBT and vPvB assessment**

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

### **Other adverse effects**

The product contains a substance / substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

### **Additional information**

Other ecotoxicological advice:

Do not discharge product into the environment without control.

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## **13. Disposal Considerations**

### **Waste treatment methods**

Must be sent to a suitable incineration plant, observing local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

Emptied gas pressure vessels must not be opened.

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## **14. Transport Information**

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**Land transport**

## ADR

UN number or ID number: UN1950

UN proper shipping name: AEROSOLS (1,1-DIFLUOROETHANE, PYRETHRINS)

Transport hazard class(es): 2.1, EHSM

Packing group: Not applicable

Environmental hazards: yes

Special precautions for user: Tunnel code: D

## RID

UN number or ID number: UN1950

UN proper shipping name: AEROSOLS (1,1-DIFLUOROETHANE, PYRETHRINS)

Transport hazard class(es): 2.1, EHSM

Packing group: Not applicable

Environmental hazards: yes

Special precautions for user: None known

**Inland waterway transport**

## ADN

UN number or ID number: UN1950

UN proper shipping name: AEROSOLS (1,1-DIFLUOROETHANE, PYRETHRINS)

Transport hazard class(es): 2.1, EHSM

Packing group: Not applicable

Environmental hazards: yes

Special precautions for user: None known

**Transport in inland waterway vessel**

Not evaluated

**Sea transport**

## IMDG

UN number or ID number: UN 1950

UN proper shipping name: AEROSOLS (1,1-DIFLUOROETHANE, PYRETHRINS)

Transport hazard class(es): 2.1, EHSM

Packing group: Not applicable

Environmental hazards: yes

Marine pollutant: YES

Special precautions for user: EmS: F-D; S-U

**Air transport**

IATA/ICAO

UN number or ID number: UN 1950  
 UN proper shipping name: AEROSOLS, FLAMMABLE

Transport hazard class(es): 2.1  
 Packing group: Not applicable  
 Environmental hazards: No Mark as dangerous for the environment is needed  
 Special precautions for user: None known

**Maritime transport in bulk according to IMO instruments**

Maritime transport in bulk is not intended.

**15. Regulatory Information****Safety, health and environmental regulations/legislation specific for the substance or mixture**

To avoid risks to man and the environment, comply with the instructions for use.

**16. Other Information**

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

|                    |                                                           |
|--------------------|-----------------------------------------------------------|
| Asp. Tox.          | Aspiration hazard                                         |
| Eye Dam./Irrit.    | Serious eye damage/eye irritation                         |
| STOT SE            | Specific target organ toxicity — single exposure          |
| Aquatic Acute      | Hazardous to the aquatic environment - acute              |
| Aquatic Chronic    | Hazardous to the aquatic environment - chronic            |
| Ozone              | Hazardous to the ozone layer                              |
| Aerosol            | Aerosols                                                  |
| Flam. Liq.         | Flammable liquids                                         |
| Acute Tox.         | Acute toxicity                                            |
| Press. Gas         | Gases under pressure                                      |
| Flam. Gas          | Flammable gases                                           |
| H319               | Causes serious eye irritation.                            |
| H335               | May cause respiratory irritation.                         |
| H400               | Very toxic to aquatic life.                               |
| H410               | Very toxic to aquatic life with long lasting effects.     |
| H227               | Combustible liquid.                                       |
| H302 + H312 + H332 | Harmful if swallowed, in contact with skin or if inhaled. |
| H280               | Contains gas under pressure; may explode if heated.       |
| H220               | Extremely flammable gas.                                  |
| H225               | Highly flammable liquid and vapour.                       |
| H303               | May be harmful if swallowed.                              |
| H305               | May be harmful if swallowed and enters airways.           |
| H336               | May cause drowsiness or dizziness.                        |
| H304               | May be fatal if swallowed and enters airways.             |

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Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

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Product: **Pluresto Extra**

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|EUH066

Repeated exposure may cause skin dryness or cracking.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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Vertical lines in the left hand margin indicate an amendment from the previous version.