

# Safety data sheet

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BASF Safety data sheet according to UN GHS 4th rev.

Date / Revised: 10.08.2022

Product: **Mizona**

Version: 4.1

(ID no. 30693940/SDS\_CPA\_00/EN)

Date of print 30.05.2024

## 1. Identification

### Product identifier

**Mizona**

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

Relevant identified uses: crop protection product, fungicide

### 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

Acute Tox. 4 (oral)

Acute Tox. 4 (Inhalation - mist)

Skin Corr./Irrit. 2

Skin Sens. 1

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Repr. Additional category for effects on or via lactation.  
STOT SE 3 (irritating to respiratory system)  
Aquatic Acute 1  
Aquatic Chronic 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:  
Warning

Hazard Statement:

|             |   |
|-------------|---|
| H315        | Causes skin irritation.                               |
| H317        | May cause an allergic skin reaction.                  |
| H362        | May cause harm to breast-fed children.                |
| H335        | May cause respiratory irritation.                     |
| H302 + H332 | Harmful if swallowed or if inhaled                    |
| H400        | Very toxic to aquatic life.                           |
| H410        | Very toxic to aquatic life with long lasting effects. |

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):

|      |  |
|------|--|
| P280 | Wear protective gloves.  |
| P271 | Use only outdoors or in a well-ventilated area.                        |
| P260 | Do not breathe dust/mist/vapours.                                      |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P270 | Do not eat, drink or smoke when using this product.                    |
| P263 | Avoid contact during pregnancy and while nursing.                      |
| P264 | Wash contaminated body parts thoroughly after handling.                |

Precautionary Statements (Response):

|             |  |
|-------------|--|
| P312        | Call a POISON CENTER or physician if you feel unwell.                      |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water.                            |
| P333 + P313 | If skin irritation or rash occurs: Get medical attention.                  |
| P330        | Rinse mouth  |
| P391        | Collect spillage.  |
| P308 + P313 | IF exposed or concerned: Get medical attention.                            |
| P332 + P313 | If skin irritation occurs: Get medical attention.                          |
| P362 + P364 | Take off contaminated clothing and wash it before reuse.                   |

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**Precautionary Statements (Storage):**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

According to UN GHS criteria

Hazard determining component(s) for labelling: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate, 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-; Fluxapyroxad, N,N-Dimethyldecan-1-amide

**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.

### 3. Composition/Information on Ingredients

**Substances**

Not applicable

**Mixtures**

Chemical nature

crop protection product, fungicide

Hazardous ingredients (GHS)

According to UN GHS criteria

pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate

Content (W/W): 19,34 %

CAS Number: 175013-18-0

INDEX-Number: 613-272-00-6

Acute Tox. 3 (Inhalation - mist)

Skin Corr./Irrit. 2

STOT SE 3 (irr. to respiratory syst.)

Aquatic Acute 1

Aquatic Chronic 1

M-factor acute: 100

M-factor chronic: 10

H315, H331, H335, H400, H410

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1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-;  
Fluxapyroxad

Content (W/W): 2,9 %  
CAS Number: 907204-31-3

Repr. Add. cat. lact.  
Aquatic Acute 1  
Aquatic Chronic 1  
M-factor acute: 1  
M-factor chronic: 1  
H362, H400, H410

Solvent naphtha (petroleum), heavy arom.

Content (W/W): < 30 %  
CAS Number: 64742-94-5  
EC-Number: 265-198-5  
INDEX-Number: 649-424-00-3

Asp. Tox. 1  
Aquatic Acute 2  
Aquatic Chronic 2  
H304, H401, H411

N,N-Dimethyldecan-1-amide

Content (W/W): < 20 %  
CAS Number: 14433-76-2  
EC-Number: 238-405-1

Acute Tox. 5 (oral)  
Skin Corr./Irrit. 2  
Eye Dam./Irrit. 2A  
STOT SE 3 (irr. to respiratory syst.)  
Aquatic Acute 2  
Aquatic Chronic 3  
H319, H315, H303, H335, H412, H401

Alcohols, C12-18, ethoxylated propoxylated

Content (W/W): < 15 %  
CAS Number: 69227-21-0

Aquatic Acute 2  
H401

Methyl-Oxirane, Blockpolymer with Oxirane, Monoisotridecyl ether

Content (W/W): < 15 %  
CAS Number: 196823-11-7

Acute Tox. 5 (oral)  
Skin Corr./Irrit. 3  
Eye Dam./Irrit. 2A  
Aquatic Acute 2  
H319, H316, H303, H401

Poly(oxy-1,2-ethanediyl), .alpha.-[tris(1-phenylethyl)phenyl]-.omega.-hydroxy-

Content (W/W): < 10 %  
CAS Number: 99734-09-5

Acute Tox. 5 (oral)  
Aquatic Acute 3  
Aquatic Chronic 3  
H303, H402, H412

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

## 4. First-Aid Measures

### Description of first aid measures

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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.

### **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

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## **5. Fire-Fighting Measures**

### **Extinguishing media**

Suitable extinguishing media:  
water spray, dry powder, foam, carbon dioxide

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

Carbon monoxide, Carbon dioxide, Hydrogen chloride, Hydrogen fluoride, nitrogen oxides, halogenated compounds, sulfur oxides

The substances/groups of substances mentioned can be released in case of fire.

### **Advice for fire-fighters**

Special protective equipment:

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

Further information:

Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. 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.

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## **6. Accidental Release Measures**

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

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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.

Storage stability:

Storage duration: 36 Months

Protect from temperatures below: -10 °C

Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time.

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

### **Specific end use(s)**

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

64742-94-5: Solvent naphtha (petroleum), heavy arom.

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## 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

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

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

|                        |  |
|------------------------|--|
| Form:                  | liquid   |
| Colour:                | yellow   |
| Odour:                 | faintly aromatic   |
| Odour threshold:       | Not determined since harmful by inhalation.  |
| pH value:              | approx. 5 - 7<br>(1 %(m), 20 °C)   |
| Melting point:         | The product has not been tested.   |
| Boiling point:         | The product has not been tested.   |
| Flash point:           | 124 °C   |
| Evaporation rate:      | not applicable   |
| Flammability:          | not applicable   |
| Lower explosion limit: | As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use. |

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|   |   |
|---|---|
| Upper explosion limit:                              | As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.                  |
| Ignition temperature:                               | 415 °C  |
| Vapour pressure:                                    | approx. 0,000026 mPa<br>(20 °C)<br>The data given are those of the active ingredient.   |
| Density:  | approx. 1,04 g/cm <sup>3</sup><br>(20 °C)   |
| Relative vapour density (air):                      | not applicable  |
| Solubility in water:                                | dispersible   |
| Partitioning coefficient n-octanol/water (log Kow): | not applicable  |
| Thermal decomposition:                              | 150 °C, 90 kJ/kg (DSC (OECD 113))<br>(onset temperature)<br>350 °C, 280 kJ/kg (DSC (OECD 113))<br>(onset temperature)<br>Not a substance liable to self-decomposition according to UN transport regulations, class 4.1. |
| Viscosity, dynamic:                                 | approx. 61 mPa.s<br>(20 °C, 100 1/s)  |
| Viscosity, kinematic:                               | 24 mm <sup>2</sup> /s<br>(40 °C)  |
| Explosion hazard:                                   | not explosive   |
| Fire promoting properties:                          | not fire-propagating  |
| SADT:   | > 75 °C   |

### Other information

Surface tension: 34 mN/m  
(25 °C)

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## 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.



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## Incompatible materials

Substances to avoid:  
strong acids, strong bases, 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:  
Of moderate toxicity after single ingestion. Of moderate toxicity after short-term inhalation. Virtually nontoxic after a single skin contact. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental/calculated data:  
LD50 rat (oral): 500 - 2.000 mg/kg

LC50 rat (by inhalation): 1,64 mg/l  
An aerosol was tested.

LD50 rat (dermal): > 5.000 mg/kg  
No mortality was observed.

### Irritation

Assessment of irritating effects:  
Skin contact causes irritation. Not irritating to the eyes. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental/calculated data:  
Skin corrosion/irritation rabbit: Irritant.

Serious eye damage/irritation rabbit: non-irritant

### Respiratory/Skin sensitization

Assessment of sensitization:  
Sensitization after skin contact possible.

Experimental/calculated data:  
Mouse Local Lymph Node Assay (LLNA) mouse: sensitizing

### Germ cell mutagenicity

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

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### Carcinogenicity

Assessment of carcinogenicity:

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

*Information on: 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-; Fluxapyroxad*

*Assessment of carcinogenicity:*

*Indication of possible carcinogenic effect in animal tests. The effect is caused by an animal specific mechanism that has no human counter part.*

### Reproductive toxicity

Assessment of reproduction toxicity:

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

*Information on: 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-; Fluxapyroxad*

*Assessment of reproduction toxicity:*

*The results of animal studies gave no indication of a fertility impairing effect. May cause harm to children via breast-feeding.*

### Developmental toxicity

Assessment of teratogenicity:

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

*Information on: N,N-Dimethyldecan-1-amide*

*Assessment of teratogenicity:*

*The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses that were toxic to the parental animals. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.*

### Specific target organ toxicity (single exposure)

Assessment of STOT single:

Causes temporary irritation of the respiratory tract.

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.

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*Information on: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate*

*Assessment of repeated dose toxicity:*

*After repeated exposure the prominent effect is local irritation. The substance may cause damage to the olfactory epithelium after repeated inhalation.*

*Information on: 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-; Fluxapyroxad*

*Assessment of repeated dose toxicity:*

*Adaptive effects were observed after repeated exposure in animal studies.*

*Information on: N,N-Dimethyldecan-1-amide*

*Assessment of repeated dose toxicity:*

*The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. After repeated exposure the prominent effect is local irritation.*

#### Aspiration hazard

No aspiration hazard expected.

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.

## 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: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate*

*Toxicity to fish:*

*LC50 (96 h) 0,00616 mg/l, Oncorhynchus mykiss (EPA 72-1, Flow through.)*

*Information on: 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-; Fluxapyroxad*

*Toxicity to fish:*

*LC50 (96 h) 0,29 mg/l, Cyprinus carpio (Fish test acute, semistatic)*

*LC50 (96 h) 0,546 mg/l, Oncorhynchus mykiss (OECD Guideline 203, static)*

*LC50 (96 h) 1,15 mg/l, Lepomis macrochirus (OECD Guideline 203, static)*

*LC50 (96 h) 0,466 mg/l, Pimephales promelas (OECD Guideline 203, static)*

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Information on: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate

Aquatic invertebrates:

EC50 (48 h) 0,0157 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

Information on: 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-; Fluxapyroxad

Aquatic invertebrates:

EC50 (48 h) 6,78 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

Information on: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate

Aquatic plants:

EC50 (72 h) > 0,843 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201)

Information on: 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-; Fluxapyroxad

Aquatic plants:

EC50 (72 h) 0,70 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201)

EC50 (96 h) 0,66 mg/l (growth rate), *Pseudokirchneriella subcapitata*

EC10 (72 h) 0,31 mg/l (growth rate), *Pseudokirchneriella subcapitata*

EC10 (96 h) 0,36 mg/l (growth rate), *Pseudokirchneriella subcapitata*

Information on: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate

Chronic toxicity to fish:

No observed effect concentration (98 d) approx. 0,00235 mg/l, *Oncorhynchus mykiss* (OECD Guideline 210, Flow through.)

Information on: 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-; Fluxapyroxad

Chronic toxicity to fish:

No observed effect concentration (33 d) 0,0359 mg/l, *Pimephales promelas* (OECD Guideline 210, Flow through.)

Information on: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d) 0,004 mg/l, *Daphnia magna* (OECD Guideline 202, part 2, semistatic)

The details of the toxic effect relate to the nominal concentration.

No observed effect concentration (28 d) 0,00128 mg/l, *Mysidopsis bahia* (OPP 72-4 (EPA-Guideline), Flow through.)

The statement of the toxic effect relates to the analytically determined concentration.

Information on: 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-; Fluxapyroxad

Chronic toxicity to aquatic invertebrates:

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*No observed effect concentration (21 d) 0,5 mg/l, Daphnia magna (OECD Guideline 211, semistatic)*  
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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: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate*

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

*Not readily biodegradable (by OECD criteria).*

*Information on: 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-; Fluxapyroxad*

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

*Not readily biodegradable (by OECD criteria).*  
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## 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: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate*

*Bioaccumulation potential:*

*Bioconcentration factor: 379 - 507, Oncorhynchus mykiss (OECD-Guideline 305)*

*Accumulation in organisms is not to be expected.*

*Information on: 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-; Fluxapyroxad*

*Bioaccumulation potential:*

*Bioconcentration factor: 36 - 37 (28 d), Lepomis macrochirus (OECD-Guideline 305)*

*Does not accumulate in organisms.*  
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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: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate*

*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: 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-; Fluxapyroxad*

*Assessment transport between environmental compartments:*

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*Adsorption in soil: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.*

### 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 does not contain substances that are listed in the Montreal Protocol 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.

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## 14. Transport Information

### Land transport

ADR

UN number or ID number: UN3082  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (PYRACLOSTROBIN, SOLVENT NAPHTHA)

Transport hazard class(es): 9, EHSM  
Packing group: III  
Environmental hazards: yes  
Special precautions for user: None known

RID

UN number or ID number: UN3082  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (PYRACLOSTROBIN, SOLVENT NAPHTHA)

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Transport hazard class(es): 9, EHS  
Packing group: III  
Environmental hazards: yes  
Special precautions for user: None known

### **Inland waterway transport**

ADN

UN number or ID number: UN3082  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PYRACLOSTROBIN, SOLVENT NAPHTHA)

Transport hazard class(es): 9, EHS  
Packing group: III  
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 3082  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PYRACLOSTROBIN, SOLVENT NAPHTHA)

Transport hazard class(es): 9, EHS  
Packing group: III  
Environmental hazards: yes  
Marine pollutant: YES  
Special precautions for user: EmS: F-A; S-F

### **Air transport**

IATA/ICAO

UN number or ID number: UN 3082  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PYRACLOSTROBIN, SOLVENT NAPHTHA)

Transport hazard class(es): 9, EHS  
Packing group: III  
Environmental hazards: yes  
Special precautions for user: None known

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## Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

### Further information

Product may be shipped as non-hazardous in suitable packages containing a net quantity of 5 L or less under the provisions of various regulatory agencies: ADR, RID, ADN: Special Provision 375; IMDG: 2.10.2.7; IATA: A197; TDG: Special Provision 99(2); 49CFR: §171.4 (c) (2) and also the Special Provision 375 in Appendix B which is regulated in China "Regulations Concerning Road Transportation of Dangerous Goods Part 3: Index of dangerous goods name and transportation requirements" (JT/T 617.3)

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## 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.

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## 16. Other Information

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

|                   |   |
|-------------------|---|
| Acute Tox.        | Acute toxicity  |
| Skin Corr./Irrit. | Skin corrosion/irritation                             |
| Skin Sens.        | Skin sensitization                                    |
| Repr.             | Reproductive toxicity                                 |
| STOT SE           | Specific target organ toxicity — single exposure      |
| Aquatic Acute     | Hazardous to the aquatic environment - acute          |
| Aquatic Chronic   | Hazardous to the aquatic environment - chronic        |
| Asp. Tox.         | Aspiration hazard                                     |
| Eye Dam./Irrit.   | Serious eye damage/eye irritation                     |
| H315              | Causes skin irritation.                               |
| H331              | Toxic if inhaled.                                     |
| H335              | May cause respiratory irritation.                     |
| H400              | Very toxic to aquatic life.                           |
| H410              | Very toxic to aquatic life with long lasting effects. |
| H362              | May cause harm to breast-fed children.                |
| H304              | May be fatal if swallowed and enters airways.         |
| H401              | Toxic to aquatic life.                                |
| H411              | Toxic to aquatic life with long lasting effects.      |
| H319              | Causes serious eye irritation.                        |
| H303              | May be harmful if swallowed.                          |
| H412              | Harmful to aquatic life with long lasting effects.    |
| H316              | Causes mild skin irritation.                          |
| H402              | Harmful to aquatic life.                              |

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



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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.