



Javise 50WG
Fungicide - Water Dispersible Granules (WG)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: Javise 50WG
Fungicide - Water Dispersible Granules (WG)
Contains 500g/kg Cyprodinil or 50% (w/w) Cyprodinil

Other means of identification: UFI Number: UG1T-M4P1-X836-GWHX

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

Relevant uses: Fungicide for agricultural use. For professional users only.

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

Ascenza Agro, SA
Avenida do Rio Tejo, Herdade das Praias
2910-440 Setúbal - Portugal – Setúbal
Phone: +351265710100 - Fax: +351265710105
agroseguranca@ascenza.com
<http://www.ascenza.com>

Distributed by:
Hellafarm S.A.
1st km L. Paianias Markopoulou,
PC19002, Paiania
T: 210-6800900
F: 210-6833488
email: info@hellafarm.gr

1.4 Emergency telephone number: Local Poisons Information Centre

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Acute 1: Hazardous to the aquatic environment, acute hazard, Category 1, H400

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard, Category 1, H410

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

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

Precautionary statements:

P405+P102: Store locked up. Keep out of reach of children.

P270: Do not eat, drink or smoke when using this product.

P501: Dispose of contents/container according to National Regulation.

Supplementary information:

EUH208: Contains cyprodinil. May produce an allergic reaction.

EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

Additional labeling:

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SECTION 2: HAZARDS IDENTIFICATION (continued)

"Wear protective clothes and gloves during mixing / loading and during application."
"In case of re-entry to the crop after application, wear protective clothes and gloves."

SP1: Do not pollute water with product or packaging. Do not clean application equipment near surface water. Avoid contamination via drainage systems from farmyards or roads.

SPe2: To protect soil macroorganisms, do not apply this product to soils with pH ≤ 5.

SPe3: To protect aquatic organisms respect:

- an unsprayed vegetative buffer zone of 10 meters to surface water bodies, for wine and table grapes
- an unsprayed buffer zone of 30 meters including an unsprayed vegetated buffer zone of 20 meters to surface water bodies 20 meters, for Pome and Stone fruits.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
The product fails to meet the criteria due to its endocrine-disrupting properties.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:




Non-applicable

3.2 Mixture:

Chemical description: Organic compounds

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification | Chemical name/Classification | | Concentration |
|---|--|---|-----------------------|
| CAS: 121552-61-2 EC: -- Index: 612-242-00-X REACH: (i) | cyprodinil (ISO)⁽¹⁾ Regulation 1272/2008 | ATP ATP01 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1: H317 - Warning  | 50% (*) |
| CAS: 68425-94-5 EC: -- Index: -- REACH: (iii) | Alkylated naphthalene sulfonate sodium salt⁽¹⁾ Regulation 1272/2008 | Self-classified Eye Irrit. 2: H319 - Warning  | 10 - <25 % |
| CAS: 1258274-08-6 EC: 800-660-7 Index: -- REACH: 01-2119980591-31-XXXX | Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts⁽¹⁾ Regulation 1272/2008 | Self-classified Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger  | 2,5 - <10 % |

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

(*) Equivalent to 500g/kg of Cyprodinil

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

| Identification | M-factor | |
|-------------------------|----------|---------|
| | Acute | Chronic |
| cyprodinil (ISO) | 10 | |
| CAS: 121552-61-2 EC: -- | 10 | |

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

- (i) Substance considered registered under Article 15 (1) of Regulation 1907/2006;
- (ii) Substance considered as registered under Article 15 (2) of Regulation (EC) No 1907/2006;
- (iii) Substance exempted from registration under Article 2 (9) of Regulation 1907/2006;
- (iv) Substance exempt from registration under Article 2 (7) (a) of Regulation (EC) No 1907/2006;
- (v) Substance exempted from registration under Article 6 (1) of Regulation (EC) No 1907/2006;
- (vi) Substance exempted from registration under Article 2 (7) (b) of Regulation (EC) No 1907/2006;
- (vii) Substance exempted from registration under Article 2 (7) (c) of Regulation (EC) No 1907/2006

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

(associated to active ingredients): (Cyprodinil): Ingestion - gastrointestinal disorder: nausea, vomiting, diarrhoea, abdominal ache. Inhalation – respiratory problems; increase in bronchial secretions. Contact – slight irritation of the eyes, skin and mucous; watering of eyes; conjunctivitis; contact dermatitis.

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

Provide supportive care and symptomatic treatment. If swallowed induce vomiting or provide a gastric wash, avoiding aspiration or administrate activated charcoal or saline laxative (type: sodium or magnesium sulphate or similar).

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...).

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SECTION 5: FIREFIGHTING MEASURES (continued)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

For emergency responders:

See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Due to its inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal See sections 8 and 13.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Store in a cool, dry, well-ventilated location

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Nuisance dust: Inhalable dust 10 mg/m³ // Respirable dust 4 mg/m³

Cyprodinil: ADI: 0.03 mg/kg b.w/day; AOEL: 0.03 mg/kg b.w./day

DNEL (Workers):

| Identification | | Short exposure | | Long exposure | |
|---|------------|----------------|----------------------|-------------------------|----------------------|
| | | Systemic | Local | Systemic | Local |
| Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts CAS: 1258274-08-6 EC: 800-660-7 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 3 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | 10 mg/m ³ | 21,16 mg/m ³ | 10 mg/m ³ |

DNEL (General population):

| Identification | | Short exposure | | Long exposure | |
|---|------------|----------------|----------------|------------------------|----------------|
| | | Systemic | Local | Systemic | Local |
| Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts CAS: 1258274-08-6 EC: 800-660-7 | Oral | Non-applicable | Non-applicable | 2,143 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 2,143 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 7,46 mg/m ³ | Non-applicable |

PNEC:



| Identification | | | | | |
|---|--------------|----------------|-------------------------|-------------|--|
| Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts CAS: 1258274-08-6 EC: 800-660-7 | STP | 22 mg/L | Fresh water | 0,138 mg/L | |
| | Soil | 8,75 mg/kg | Marine water | 0,0138 mg/L | |
| | Intermittent | 0,357 mg/L | Sediment (Fresh water) | 44,1 mg/kg | |
| | Oral | Non-applicable | Sediment (Marine water) | 4,41 mg/kg | |

8.2 Exposure controls:



A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection



| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|---------------------------|---|--------------|--|
|  Compulsory use of face mask | Filter mask for particles |  | EN 149+A1 | Replace when an increase in resistance to breathing is observed. |

C.- Specific protection for the hands

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|---------------------------------------|---|--------------|---|
|  Mandatory hand protection | Protective gloves against minor risks |  | | Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Ocular and facial protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|---|---|--------------|---|
|  Mandatory face protection | Panoramic glasses against splash/projections. |  | EN 166 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |



E.- Body protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|-----------|----------------------|---|--|--|
| | Work clothing |  | | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended |
| | Anti-slip work shoes |  | EN ISO 20347 EN ISO 20345 EN 13832-3 | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended |

F.- Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|---|---------------------------|--|--------------------------|
|  Emergency shower | ANSI Z358-1 ISO 3864-1 |  Eyewash stations | DIN 12 899 ISO 3864-1 |

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

| | |
|---------------------------|-----------------------------|
| V.O.C. (Supply): | 0 % weight |
| V.O.C. density at 20 °C: | 0 kg/m ³ (0 g/L) |
| Average carbon number: | Non-applicable |
| Average molecular weight: | Non-applicable |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:

| | |
|--------------------------|---|
| Physical state at 20 °C: | Solid |
| Appearance: | Granulated |
| Colour: |  Brown |
| Odour: | Undefined |
| Odour threshold: | Not available |

Volatility:

| | |
|--|----------------|
| Boiling point at atmospheric pressure: | Non-applicable |
| Vapour pressure at 20 °C: | Non-applicable |
| Vapour pressure at 50 °C: | Non-applicable |
| Evaporation rate at 20 °C: | Non-applicable |

Product description:

| | |
|-------------------------------|-----------------------|
| Density at 20 °C: | 320 kg/m ³ |
| Relative density at 20 °C: | 0,49 |
| Dynamic viscosity at 20 °C: | Non-applicable |
| Kinematic viscosity at 20 °C: | Non-applicable |
| Kinematic viscosity at 40 °C: | Non-applicable |
| Concentration: | Not available |
| pH: | 9,4 |

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

| | |
|--|----------------|
| Vapour density at 20 °C: | Non-applicable |
| Partition coefficient n-octanol/water 20 °C: | Not available |
| Solubility in water at 20 °C: | Not available |
| Solubility properties: | Not available |
| Decomposition temperature: | Not available |
| Melting point/freezing point: | Not available |

Flammability:

| | |
|----------------------------|----------------|
| Flash Point: | Non-applicable |
| Flammability (solid, gas): | Not flammable |
| Autoignition temperature: | Non-applicable |
| Lower flammability limit: | Non-applicable |
| Upper flammability limit: | Non-applicable |

Explosive (Solid):

| | |
|------------------------|----------------|
| Lower explosive limit: | Non-applicable |
| Upper explosive limit: | Non-applicable |

Particle characteristics:

| | |
|-----------------------------|---------------|
| Median equivalent diameter: | Not available |
|-----------------------------|---------------|

9.2 Other information:

Information with regard to physical hazard classes:

| | |
|--|---|
| Explosive properties: | No explosive hazard (based on components) |
| Oxidising properties: | No oxidising hazard (based on components) |
| Corrosive to metals: | Not available |
| Heat of combustion: | Not available |
| Aerosols-total percentage (by mass) of flammable components: | Non-applicable |

Other safety characteristics:

| | |
|---------------------------|----------------|
| Surface tension at 20 °C: | Non-applicable |
| Refraction index: | Not available |

As for the remaining characteristics, data is not presented because it is not available, in accordance with the registration studies and intrinsic characteristics of the products.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
|--------------------|------------------|-------------------------|----------------|----------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

10.5 Incompatible materials:

| Acids | Water | Oxidising materials | Combustible materials | Others |
|-------|-------|---------------------|-----------------------|--------|
| | | | | |

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SECTION 10: STABILITY AND REACTIVITY (continued)

| | | | | |
|--------------------|----------------|----------------|----------------|-------------------------------|
| Avoid strong acids | Not applicable | Not applicable | Not applicable | Avoid alkalis or strong bases |
|--------------------|----------------|----------------|----------------|-------------------------------|

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
IARC: Non-applicable
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Other information:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Acute effects (*):

Skin corrosion/ irritation: Not irritant (Rabbits)
Serious eye damage/irritation: Not irritant (Rabbits)
Respiratory sensitisation: No information available
Skin sensitisation: Not a sensitizer (Guinea pigs)

Chronic effects (Cyprodinil):

Repeated dose toxicity: Not demonstrated
Carcinogenicity: Not observed
Mutagenicity: Not observed
Toxicity for reproduction: Not observed

(*) Based on available data, the classification criteria are not met.

Specific toxicology information on the substances:

| Identification | Acute toxicity | | Genus |
|---|-----------------|-----------------|-------|
| | LD50 oral | LD50 dermal | |
| cyprodinil (ISO) CAS: 121552-61-2 EC: -- | LD50 oral | >2000 mg/kg | Rats |
| | LD50 dermal | >2000 mg/kg | Rats |
| | LC50 inhalation | >1,2 mg/L (4 h) | Rats |
| Alkylated naphthalene sulfonate sodium salt CAS: 68425-94-5 EC: -- | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | Non-applicable | |
| Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts CAS: 1258274-08-6 EC: 800-660-7 | LD50 oral | 4470 mg/kg | Rat |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >5 mg/L (4 h) | |

11.2 Information on other hazards:

Endocrine disrupting properties

The product fails to meet the criteria due to its endocrine-disrupting properties.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.1 Toxicity:

Acute toxicity:

| Identification | Concentration | | Species | Genus |
|--|---------------|-------------------|--|------------|
| cyprodinil (ISO) CAS: 121552-61-2 EC: -- | LC50 | 2.41 mg/L (96 h) | <i>Oncorhynchus mykiss</i> Bluegill sunfish | Fish |
| | | 2.17 mg/L (96 h) | | |
| | EC50 | 0.146 mg/L (48 h) | <i>Daphnia magna</i> | Crustacean |
| | | 2.6 mg/L (72 h) | | |

Acute toxicity:

Aquatic invertebrates acute EC50 (48 h): 0.146 mg f.p./l (*Daphnia magna*) (SAP50F)
Birds acute Oral LD50: > 500 mg/kg b.w. (Mallard ducks); > 200 mg/kg b.w. (Bobwhite quail) (Cyprodinil)
Bee oral LD50 (48 h): > 184.42 µg/bee
Bee contact LD50 (48 h): > 200 µg/bee
Aquatic plants CE50 (14 d): 7.71 mg/l (*Lemna gibba*) (Cyprodinil)

Chronic toxicity (Cyprodinil):

Fish chronic NOEC (21 d): 0.083 mg/l (Rainbow trout)
Aquatic invertebrates chronic NOEC (21 d): 0.0082 mg/l (*Daphnia magna*)
Algae chronic NOEC: NA

12.2 Persistence and degradability:

(Cyprodinil):

- Soil: Moderately persistent in soil. DT50 (typical): 37 d; DT50 (lab): 53 d; DT50 (field): 45 d.

- Water: Slow chemical degradation in water-sediment systems, DT50: 142 d. Moderately fast chemical degradation in water phase only, DT50: 12.5 d. Not readily biodegradable.

12.3 Bioaccumulative potential:

| Identification | Bioaccumulation potential | |
|--|---------------------------|------|
| cyprodinil (ISO) CAS: 121552-61-2 EC: Non-applicable | BCF | 393 |
| | Pow Log | 4 |
| | Potential | High |

(Cyprodinil):

Moderate bioaccumulation potential

12.4 Mobility in soil:

(Cyprodinil):

Low mobility in soil.

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

The product fails to meet the criteria due to its endocrine-disrupting properties.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|-----------|--|--|
| 02 01 08* | agrochemical waste containing hazardous substances | Dangerous |

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP13 Sensitising

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommend disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:



- 14.1 UN number or ID number:** UN3077
- 14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (cyprodinil (ISO))
- 14.3 Transport hazard class(es):** 9
Labels: 9
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** Yes
- 14.6 Special precautions for user**
Special regulations: 274, 335, 375, 601
Tunnel restriction code: (-)
Physico-Chemical properties: see section 9
Limited quantities: 5 kg
- 14.7 Maritime transport in bulk according to IMO instruments:** Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 39-18:



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SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number or ID number:** UN3077
14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (cyprodinil (ISO))
14.3 Transport hazard class(es): 9
 Labels: 9
14.4 Packing group: III
14.5 Marine pollutant: Yes
14.6 Special precautions for user
 Special regulations: 335, 966, 274, 967, 969
 EmS Codes: F-A, S-F
 Physico-Chemical properties: see section 9
 Limited quantities: 5 kg
 Segregation group: Non-applicable
14.7 Maritime transport in bulk according to IMO instruments: Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2021:



- 14.1 UN number or ID number:** UN3077
14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (cyprodinil (ISO))
14.3 Transport hazard class(es): 9
 Labels: 9
14.4 Packing group: III
14.5 Environmental hazards: Yes
14.6 Special precautions for user
 Physico-Chemical properties: see section 9
14.7 Maritime transport in bulk according to IMO instruments: Non-applicable

SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable
 Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable
 Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable
 Article 95, REGULATION (EU) No 528/2012: Non-applicable
 REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

| Section | Description | Lower-tier requirements | Upper-tier requirements |
|---------|-----------------------|-------------------------|-------------------------|
| E1 | ENVIRONMENTAL HAZARDS | 100 | 200 |

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation



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SECTION 15: REGULATORY INFORMATION (continued)

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products

Other information:

Non-applicable

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Aquatic Acute 1: H400 - Very toxic to aquatic life.

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

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Classification procedure:

Aquatic Acute 1: H400 - Based on test data

Aquatic Chronic 1: H410 - According to competent authority

Advice related to training:

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

Other information:

- CONTINUED ON NEXT PAGE -



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SECTION 16: OTHER INFORMATION (continued)

Content review: The sections / sub sections marked with (>) were changed with relevant information, from the previous version.

Cod.: PF-121-C (SAP50F) (GR) – Ref. VER04 CORE

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

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