

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

1.1. Product identifier

Product form	: Mixture
Trade name	: Areli
Product code	: BCP1017F - C00360
Type of product	: SC (Suspension Concentrate)
Other means of identification	: 150 g/l Valifenalate; 80 g/l Cyazofamid

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

Relevant identified uses

Main use category	: Professional use
Use of the substance/mixture	: Fungicide
Function or use category	: Plant protection products

1.3. Details of the supplier of the safety data sheet

Holder of the authorisation

Certis Belchim BV
Stadsplateau 16
NL 3521 AZ Utrecht
T +31 (0)30 200 1200
info@certisbelchim.com, www.certisbelchim.com

Distributor

Certis Belchim B.V.,
Suite 5, 3 Riverside, Granta Park,
Great Abington Cambridgeshire, CB21 6AD.
United Kingdom
T +44 (0)1223 652500, F +44 (0)1223 891210
info.uk@certisbelchim.com, www.certisbelchim.co.uk

1.4. Emergency telephone number

Emergency number	: +44 1235 239670 24 hours a day, 7 days a week
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Carcinogenicity, Category 2	H351
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
Hazardous to the aquatic environment – Chronic Hazard, Category 1	H410
Full text of H- and EUH-statements: see section 16	

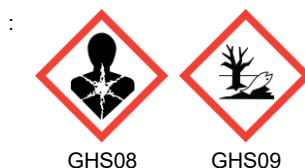
Adverse physicochemical, human health and environmental effects

Suspected of causing cancer. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Warning

Contains

: Valifenalate

Hazard statements (CLP)

: H351 - Suspected of causing cancer.
H410 - Very toxic to aquatic life with long lasting effects.

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Precautionary statements (CLP)	: P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves, protective clothing. P273 - Avoid release to the environment. P308+P313 - IF exposed or concerned: Get medical advice/attention. P391 - Collect spillage. P501 - Dispose of contents and container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
EUH-statements	: EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.
Extra phrases	: SP1: Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads). For additional information regarding the extra phrases, please refer to the label.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Valifenalate (Pesticide and active ingredients)	CAS-No.: 283159-90-0	~14.3	Carc. 2, H351 Aquatic Chronic 2, H411
cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide (Pesticide and active ingredients)	CAS-No.: 120116-88-3 EC Index-No.: 616-166-00-8	~8	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
Propylene glycol substance with national workplace exposure limit(s) (GB)	CAS-No.: 57-55-6 EC-No.: 200-338-0	$\geq 5 - < 10$	Not classified
Polyalkyleneoxide Modified Heptamethyltrisiloxane	CAS-No.: 67674-67-3 EC-No.: 614-100-2	$\geq 5 - < 10$	Eye Dam. 1, H318 Aquatic Chronic 2, H411
Sodium Diethylsulfosuccinate	CAS-No.: 577-11-7 EC-No.: 209-406-4 REACH-no: 01-2119491296-29	$\geq 1 - < 5$	Skin Irrit. 2, H315 Eye Dam. 1, H318
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9	< 0.1	Acute Tox. 2 (Inhalation), H330 Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg bodyweight) Acute Tox. 3 (Oral), H301 (ATE=100 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 EUH071

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9	(0.0015 ≤ C ≤ 100) Skin Sens. 1A; H317

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
Self protection of the first-aider	: First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects after inhalation	: None under normal conditions.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: None under normal conditions.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
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For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area.

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For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
- Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Store locked up.
- Maximum storage period : > 2 year
- Storage temperature : > 5 – < 30 °C
- Packaging materials : Always store product in container of same material as original container.

7.3. Specific end use(s)

For further information see section 1. Fungicide. Restricted to professional users.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Propylene glycol (57-55-6)	
United Kingdom - Occupational Exposure Limits	
Local name	Propane-1,2-diol
WEL TWA (OEL TWA)	10 mg/m ³ particulates
	474 mg/m ³ total vapour and particulates
	150 ppm total vapour and particulates
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

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8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses. Safety glasses

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: white.
Appearance	: Viscous.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not flammable
Explosive properties	: None.
Oxidising properties	: None.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable (aqueous liquid)
Auto-ignition temperature	: 434 °C
Decomposition temperature	: Not available
pH	: 6.2 – 6.6 (20 °C)
pH solution	: 6.9 (5.9 – 7) (1%; 20 °C)
Viscosity, kinematic	: 23.2 – 49.892 mm ² /s
Viscosity, dynamic	: 25 – 53 mPa·s (40°C; 100-500/s)
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available

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Vapour pressure at 50°C	: Not available
Density	: 1.0623 – 1.0776 g/cm ³ (20 °C)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

Other safety characteristics

Additional information : Surface tension : 21,8 mN/m (20 °C)

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: CLP Calculation method

cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide (120116-88-3)	
LD50 oral rat	> 5000 mg/g
LD50 dermal rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 5.5 mg/l/4h
Valifenalate (283159-90-0)	
LD50 oral rat	> 5000 mg/kg (OECD 401)
LD50 dermal rat	> 2000 mg/kg (OECD 402)
LC50 Inhalation - Rat (Dust/Mist)	> 3.118 mg/l/4h (OECD 403)
Sodium Diethylsulfosuccinate (577-11-7)	
LD50 dermal rabbit	> 10000 mg/kg bodyweight OECD 402

Skin corrosion/irritation : Not classified
pH: 6.2 – 6.6 (20 °C)

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Additional information	: CLP Calculation method
Serious eye damage/irritation	: Not classified ((OECD 438 method)). pH: 6.2 – 6.6 (20 °C)
Respiratory or skin sensitisation	: Not classified
Additional information	: CLP Calculation method
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.

cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide (120116-88-3)

NOAEL (chronic, oral, animal/male, 2 years)	> 171 mg/kg bodyweight rat
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Reproductive toxicity : Not classified

cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide (120116-88-3)

NOAEL (animal/male, F0/P)	89 mg/kg bodyweight rat
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NOAEL (animal/male, F1)	89 mg/kg bodyweight rat
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STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide (120116-88-3)

NOAEL (oral, rat, 90 days)	29.5 mg/kg bodyweight/day
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Sodium Diethylsulfosuccinate (577-11-7)

NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight (OECD 408)
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Aspiration hazard : Not classified

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Viscosity, kinematic	23.2 – 49.892 mm ² /s
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Valifenalate (283159-90-0)

Viscosity, kinematic	Not applicable
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11.2. Information on other hazards

Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The substance/mixture has no endocrine disrupting properties.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

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

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

cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide (120116-88-3)

LC50 - Fish [1]	> 0.107 ml/l (96 H; Oncorhynchus mykiss)
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EC50 - Crustacea [1]	> 0.107 (48 H; Daphnia magna)
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ErC50 algae	0.081 mg/l (72 H; Selenastrum capricornutum)
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NOEC chronic fish	0.09 mg/l (28d; Pimephales promelas)
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NOEC chronic crustacea	0.011 mg/l (21d; Daphnia magna)
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NOEC chronic algae	0.023 (72 H; Selenastrum capricornutum)
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Valifenalate (283159-90-0)	
LC50 - Fish [1]	> 15 mg/l (96 H; Cyprinodon variegatus)
LC50 - Fish [2]	> 40 mg/l (96 H; Lepomis macrochirus)
EC50 - Crustacea [1]	> 28.6 mg/l (48 H; Daphnia magna)
EC50 - Other aquatic organisms [1]	2.8 mg/l (96 H; Americamysis bahia)
ErC50 algae	> 9.48 mg/l (96 H, Skeletonema costatum)
NOEC chronic fish	11 mg/l (33 d; Pimephales promelas)
NOEC chronic crustacea	3.2 (22 d; Daphnia magna)
NOEC chronic algae	0.106 mg/l (96H; Skeletonema costatum)
NOEC (additional information)	NOEC/EC10: 1.5 mg/l / 0.36 mg/l (28 d; Americamysis bahia)

Sodium Diethylsulfosuccinate (577-11-7)	
LC50 - Fish [1]	49 mg/l Danio rerio

12.2. Persistence and degradability

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Persistence and degradability	Contains non readily biodegradable component(s).

12.3. Bioaccumulative potential

cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide (120116-88-3)	
BCF - Fish [1]	286 (Oncorhynchus mykiss)
Partition coefficient n-octanol/water (Log Pow)	3.2 (24-25°C)

Valifenalate (283159-90-0)	
BCF - Fish [1]	4.8
Partition coefficient n-octanol/water (Log Pow)	> 3 (pH 4 - pH 7 - pH 9)

12.4. Mobility in soil

cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide (120116-88-3)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.13
Ecology - soil	Product adsorbs onto the soil.

Valifenalate (283159-90-0)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.57 – 3.22

12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The substance/mixture has no endocrine disrupting properties.

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12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of in accordance with relevant local regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Avoid release to the environment. Do not allow into drains or water courses. Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Dispose of in accordance with relevant local regulations. Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide ; Valifenalate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide ; Valifenalate)	Environmentally hazardous substance, liquid, n.o.s. (cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide ; Valifenalate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide ; Valifenalate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide ; Valifenalate)
Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide ; Valifenalate), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide ; Valifenalate), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide ; Valifenalate), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide ; Valifenalate), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cyazofamid (ISO); 4-chloro-2-cyano-N, N-dimethyl-5-p-tolylimidazole-1-sulfonamide ; Valifenalate), 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
14.4. Packing group				
III	III	III	III	III

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ADR	IMDG	IATA	ADN	RID
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Special provisions (ADR) : 274, 335, 375, 601
Orange plates :



EAC code : •3Z

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

Classification code (ADN) : M6
Number of blue cones/lights (ADN) : 0

Rail transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

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

REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List < 0.1% or SCL.

PIC Regulation (Prior Informed Consent)

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

POP Regulation (Persistent Organic Pollutants)

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

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

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Explosives Precursors Regulation (EU 2019/1148)

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

Drug Precursors Regulation (EC 273/2004)

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

National regulations

France

15.2. Chemical safety assessment

Not applicable for preparations

The active ingredient used in Plant protection products is already compliant as the active substances are exempted according to Article 15 of REACH and approved as registered according to Regulation 1107/2009.

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

This sheet has been revised completely (changes were not marked).

Abbreviations and acronyms:	
ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CAS-No.	Chemical Abstracts Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
CSA	Chemical safety assessment
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
ED	Endocrine disruptor
EN	European Standard
EWC	European waste catalogue
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose

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Abbreviations and acronyms:	
LOAEL	Lowest Observed Adverse Effect Level
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
MAK	maximum workplace concentration
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
OSHA	Occupational Safety Health Administration
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
PPE	Personal protection equipment
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TF	Technical function
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TWA	Time Weighted Average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	Unique Formula Identifier

Full text of H- and EUH-statements:	
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, category 1A
H301	Toxic if swallowed.
H311	Toxic in contact with skin.

Areli

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Full text of H- and EUH-statements:

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Carc. 2	H351	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.