



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

Printing date: 09.10.2024

Version number 2 (replaces version 1)

Revision: 09.10.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** *AVALON***Formulation:** *Suspension concentrate - SC***Active ingredient:** *Pyrimethanil***CAS Number:** *Pyrimethanil: 53112-28-0***UFI:** *C9HV-WMEY-830Q-359Y***1.2 Relevant identified uses of the substance or mixture and uses advised against****Sector of Use** *SU1 Agriculture, forestry, fishery***Product category** *PC27 Plant protection products***Uses advised against** *Fungicides***1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:***GALENIKA-FITOFARMACIJA a.d.**Batajnicki drum bb**11080 Belgrade**tel: + 381 (11) 3072-301**fax: + 381 (11) 3072 310**e-mail: office@fitofarmacija.rs***1.4 Emergency telephone number:** */***SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008***Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.***2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008***The product is classified and labelled according to the CLP regulation.***Hazard statements***H412 Harmful to aquatic life with long lasting effects.***Precautionary statements***P102 Keep out of reach of children.**P273 Avoid release to the environment.**P391 Collect spillage.**P501 Dispose of contents/container in accordance with local/regional/national/international regulations.***Additional information:***EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.**EUH401 To avoid risks to human health and the environment, comply with the instructions for use.***Standard phrases for safety precautions***SP 1 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).***Safety precautions related to the environment (SPe):***SPe3: To protect aquatic organisms, respect an unsprayed buffer zone of 20 meters to surface water bodies for use in pome fruit, and 5 m for other uses.***2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** *Not applicable.***vPvB:** *Not applicable.*

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SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Substance Not applicable.

3.2 Mixtures

Dangerous components:

CAS: 53112-28-0 Index number: 612-240-00-9	Pyrimethanil Aquatic Chronic 2, H411	37.7%
CAS: 68512-35-6 EC number: 614-548-9	Lignin, alkali, reaction products with formaldehyde and sodium bisulfite Eye Irrit. 2, H319	< 5%
CAS: 68131-39-5	Alcohols, C12-15, ethoxylated Eye Dam. 1, H318; Acute Tox. 4, H302; Aquatic Chronic 3, H412 ATE: LD50 oral: 500 mg/kg	< 3%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6	1,2-benzisothiazol-3(2H)-one Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	< 0.05%

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Have the product container, label or Safety Data Sheet with you when calling a poison control center or physician.

After inhalation: Supply fresh air. Keep patient warm. Consult doctor if symptoms persist.

After skin contact:

Take off all contaminated clothing immediately.

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately seek qualified medical advice.

After swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

There is no specific antidote available. Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fire with alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters Wear full protective clothing and self-contained breathing apparatus.

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Protective equipment: Wear fully protective suit and self-contained respiratory protective device.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protective equipment and eyes/face protection (refer to Section 8.). Remove contaminated clothing and wash skin with water and soap.

For non-emergency personnel

Wearing of suitable protective equipment (including personal protective equipment referred to under section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing is recommended.

For emergency responders

Eliminate all ignition sources (flame or spark). Provide local and general exhaust ventilation. Use protective clothing and gloves, respiratory mask with an effective particulate filter, chemical goggles for eye protection.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Avoid inhalation and contact with skin and eyes. Wear protective clothing and protective equipment for eyes and face. Do not eat, drink or smoke. After handling wash hands and face with soap and water. Wash contaminated clothing.

Information about fire - and explosion protection: In case of fire do not breathe fumes.

7.2 Conditions for safe storage, including any incompatibilities**Storage:**

Requirements to be met by storerooms and receptacles: Store in a cool and dry, in the original packaging.

Information about storage in one common storage facility:

Store in a dry place, away from direct sunlight, heat and incompatible materials.

Further information about storage conditions: None.

7.3 Specific end use(s) Refer to the label.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls**Individual protection measures, such as personal protective equipment**

Operator must wear adequate work clothing and protective gloves.

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Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection

Protective gloves

Material of gloves The selection of suitable gloves in accordance to EN 374.

Eye/face protection

In accordance to standard EN 166.



Tightly sealed goggles

Body protection: Protective work clothing

Environmental exposure controls Do not allow to get into the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information**

Physical state	Liquid
Colour:	Dark beige
Odour:	Uncharacteristic.
Odour threshold:	Not determined.
Melting point/freezing point:	Not determined.
Boiling point or initial boiling point and boiling range	Not determined.
Flammability	No data available.
Lower and upper explosion limit	Not determined.
Lower:	Not determined.
Upper:	Not determined.
Flash point:	108 °C (CIPAC MT 12)
Auto-ignition temperature:	Undetermined.
Decomposition temperature:	Not determined.
pH	7.7 (CIPAC MT 75)
Viscosity:	Not determined.
Kinematic viscosity	Not determined.
Dynamic at 20 °C:	1704-363.6 cP
Solubility	Miscible.
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density:	1.06
Relative density	Not determined.
Vapour density	Not determined.

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9.2 Other information**Ignition temperature:**

Product is not selfigniting.

Explosive properties:

Product does not present an explosion hazard.

Crystallisation temperature / range:**Oxidising properties**

Not oxidising.

Evaporation rate

Not determined.

9.2.1. Information with regard to physical hazard classes**Explosives**

Not applicable.

Flammable gases

Not applicable.

Aerosols

Not applicable.

Oxidising gases

Not applicable.

Gases under pressure

Not applicable.

Flammable liquids

Not applicable.

Flammable solids

Not applicable.

Self-reactive substances and mixtures

Not applicable.

Pyrophoric liquids

Not applicable.

Pyrophoric solids

Not applicable.

Self-heating substances and mixtures

Not applicable.

Substances and mixtures, which emit flammable gases in contact with water

Not applicable.

Oxidising liquids

Not applicable.

Oxidising solids

Not applicable.

Organic peroxides

Not applicable.

Corrosive to metals

Not applicable.

Desensitised explosives

Not applicable.

SECTION 10: Stability and reactivity**10.1 Reactivity** No further relevant information available.**10.2 Chemical stability** Stable under normal handling and storage conditions.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid** Source of ignition, heat, fire, high humidity, sparks.**10.5 Incompatible materials:** No further relevant information available.**10.6 Hazardous decomposition products:** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:**CAS: 53112-28-0 Pyrimethanil**

Oral LD50 >4,000 mg/kg (Rat)

Dermal LD50 >5,000 mg/kg (Rat)

Inhalative LC50/4 h >1.98 mg/l (Rat)

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Primary irritant effect:**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.**Serious eye damage/eye irritation:** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.**Carcinogenicity:** Based on available data, the classification criteria are not met.**Reproductive toxicity:** Based on available data, the classification criteria are not met.**STOT-single exposure:** Based on available data, the classification criteria are not met.**STOT-repeated exposure:** Based on available data, the classification criteria are not met.**Aspiration hazard:** Based on available data, the classification criteria are not met.**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:****CAS: 53112-28-0 Pyrimethanil**

	EC50	1.2 mg/l (algae) (96 h) 10.56 mg/l (Fish) (96 h) 2.9 mg/l (Daphnia magna) (48 h)
Oral	LD50	>100 µg a.i./bee (Apis mellifera)
Dermal	LD50	>100 µg a.i./bee (Apis mellifera)

12.2 Persistence and degradability: Pyrimethanil is moderately persistent in soil.**12.3 Bioaccumulative potential:** No further relevant information available.**12.4 Mobility in soil:** Pyrimethanil is moderately mobile in soil.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties:** For information on endocrine disrupting properties see section 11.**12.7 Other adverse effects:** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Disposal must be made according to official local regulation.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:**Recommendation:** Disposal must be made according to national official regulations.

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SECTION 14: Transport information

14.1 UN number or ID number ADR/RID/ADN, IMDG, IATA	UN3082
14.2 UN proper shipping name ADR/RID/ADN	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pyrimethanil)
IMDG, IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pyrimethanil)
14.3 Transport hazard class(es) ADR/RID/ADN, IMDG, IATA	
	
Class	9 Miscellaneous dangerous substances and articles.
Label	9
14.4 Packing group ADR/RID/ADN, IMDG, IATA	III
14.5 Environmental hazards:	
Marine pollutant:	Symbol (fish and tree)
Special marking (ADR/RID/ADN):	Symbol (fish and tree)
Special marking (IATA):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
Hazard identification number (Kemler code):	60
EMS Number:	F-A,S-F
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.

Transport/Additional information:

ADR/RID/ADN	Exempted from ADR+LQ (UN3077+ 3082 Class 9) according to extra provision ADR SV375 as of 01.01.15. "375. These substances when carried in single or combination packaging containing net quantity per single or inner packaging of 5 lit or less for liquids having a nett mass per single or inner packaging of 5KG or less for solids, are not subject to any other provisions."
UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PYRIMETHANIL), 9, III

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
 Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.
REGULATION (EU) 2019/1148
Regulation (EC) No 273/2004 on drug precursors
None of the ingredients is listed.
Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Hazard phrases:
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
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Abbreviations and acronyms:
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1

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Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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