

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 24.06.2021

Version: 1.3  
Revision: 24.06.2021

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

#### 1.1 Product identifier

**Trade names:** Ardap Silberfischchen Zerstäuber

**UFI:** Q01N-YPEJ-Y67V-SWGP / **BAuA-Reg.-Nr.:** N-106898

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

##### Application of the substance / the mixture

Insecticide (biocide PT18); Capsule Suspension (CS), ready to use

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

Ardap Care GmbH - Franzstr. 95 - D-46395 Bocholt

Tel.: +49 (0) 2871 - 2487-0 / Fax: -66 / email: [info@ardapcare.com](mailto:info@ardapcare.com) / [www.ardapcare.com](http://www.ardapcare.com)

**Further information obtainable from:** Vertrieb (via Central) Tel.: +49 (0) 2871 - 2487-0m

#### 1.4 Emergency telephone number: Call local emergency information.

Poison Center Germany (Charité), Berlin - Tel.: +49 (0) 30 30686700

Poison Center Austria, Wien - Tel.: +43 (0)1 406 43 43

Poison Center Switzerland - Tel.: +41 44 251 51 51 or emergency number 145

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture - Classification according to Regulation (EC) No 1272/2008

Aquatic Chronic 2 H411 Toxic 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 pictograms



GHS09

**Signal word :** Void

##### Hazard statements

H411 Toxic to aquatic life with long lasting effects.

##### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P261 Avoid breathing spray.

P273 Avoid release to the environment.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P391 Collect spillage.

P501 Dispose of contents/container to appropriate waste disposal in accordance with local/national regulations.

**2.3 Other hazards** No further relevant information available.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Description:

Insecticidal capsule suspension based on the active substance *Chrysanthemum cinerariaefolium* extract from open and mature flowers of *Tanacetum cinerariifolium* obtained

with supercritical carbon dioxide [0,05 % (w/w) - pure active substance ; CAS N°: 89997-63-7; PT18]

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**Dangerous components:**

|                                      |                                                                                                                                                                                                                                                                            |        |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| CAS: 89997-63-7<br>EINECS: 289-699-3 | Chrysanthemum cinerariaefolium extract from open and mature flowers of Tanacetum cinerariifolium obtained with supercritical carbon dioxide<br>Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1B, H317 | 0.05%  |
| CAS: 3811-73-2<br>EINECS: 223-296-5  | pyridine-2-thiol 1-oxide, sodium salt<br>Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H332                                                                                                                  | ≤ 2.5% |

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

### SECTION 4: First aid measures



First aid

**4.1 Description of first aid measures**
**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

In general the product is not irritant to skin but it is recommended to wash affected skin areas with water and soap and rinse thoroughly.

If skin irritation persists consult a doctor.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**

Rinse out mouth with water. Do NOT induce vomiting. Seek medical advice immediately and show the container or label.

**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**

Symptomatic treatment.

### SECTION 5: Firefighting measures

**5.1 Extinguishing media**
**Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

CO<sub>2</sub>, dry chemical powder, foam or water spray

**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**
**Protective equipment:**

If necessary wear self-contained respiratory equipment and dependent on dimensions of fire wear fully protective suit.

**Additional information**

Contain runoff to prevent entry into water or drainage systems.

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Dispose of fire debris and contaminated fire fighting water according to the regulations.

### SECTION 6: Accidental release measures

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

Please notice instructions for person-related safety precautions, wear protective equipment (see 8.)  
Avoid contact with skin and eyes.

#### 6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.  
Advise water authority in case of seepage into water course or sewage system.

#### 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid or universal binders, sawdust).  
Place into suitable and labelled containers for disposal.  
Clean affected area with plenty of water. Place into lockable labelled container for disposal according to the 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

While handling pay attention to the usually precaution for chemicals.  
Comply with instructions for use.  
Avoid eye and skin contact with the product.  
Wash hands before break and at the end of work.

**Information about fire - and explosion protection:** No further relevant information available.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### Requirements to be met by storerooms and receptacles:

Store in tightly closed original containers in a cool, well ventilated and dry place.

##### Information about storage in one common storage facility:

Do not store food, beverages and animal feeding stuffs in the storage area.

##### Further information about storage conditions:

Keep out of the reach of children and domestic animals.

Keep only in original packaging.

Store containers upright.

Store between 5°C and 35°C. Protect from freezing and keep away from direct sunlight

**Recommended storage temperature:** Ambient

#### 7.3 Specific end use(s)

Insecticide : Use only according to instructions.

### SECTION 8: Exposure controls/personal protection

#### Additional information about design of technical facilities:

Provide sufficient ventilation, particularly in closed areas.

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#### 8.1 Control parameters

##### Ingredients with limit values that require monitoring at the workplace:

**CAS: 89997-63-7 Chrysanthemum cinerariaefolium extract from open and mature flowers of Tanacetum cinerariifolium obtained with supercritical carbondioxide**

 IOELV (EU) Long-term value: 5 mg/m<sup>3</sup>

 AGW (Germany) Long-term value: 1 E mg/m<sup>3</sup>; 1(I);AGS, EU, Y; Sh für Rohextrakt

**CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt**

 MAK (Austria) Short-term value: 4 mg/m<sup>3</sup>; Long-term value: 1 mg/m<sup>3</sup>

 AGW (Germany) Long-term value: 0.2 E mg/m<sup>3</sup>; 2(II);DFG, H, Y

 MV (Slovenia) Short-term value: 2 mg/m<sup>3</sup>; Long-term value: 1 mg/m<sup>3</sup>; Inhalabilna frakcija, K

##### Regulatory information

MAK (Austria): GKV 2018, 254. Verordnung, 24.9.2018, Teil II

IOELV (EU): (EU) 2017/164

AGW (Germany): TRGS 900

MV (Slovenia): Uradni list RS, št. 78/2018

**Additional information:** Based on actual legally binding lists.

#### 8.2 Exposure controls

##### Personal protective equipment

##### General protective and hygienic measures:

Avoid unnecessary contact with the product. Do not eat, drink or smoke at workplace and keep it tidy.

Remove contaminated clothing and wash carefully before reuse.

Wash hands before break and at the end of work.

##### Respiratory protection:

Not required if used according to its intended purpose.

Use suitable respiratory protective device in case of insufficient ventilation or when fumes are formed.

**Protection of hands:** For prolonged or repeated contact protective gloves are recommended.

**Eye protection:** Goggles recommended during refilling

**Body protection:** Not required with appropriate handling.

##### Limitation and supervision of exposure into the environment

Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

## SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### Appearance:

|                         |                 |
|-------------------------|-----------------|
| <b>Form:</b>            | Fluid           |
| <b>Colour:</b>          | Milky           |
| <b>Odour:</b>           | Characteristics |
| <b>Odour threshold:</b> | Not determined  |

**pH:** 5 - 6

##### Change in condition

**Boiling point/boiling range:** No data available

**Flash point:** No data available

**Flammability (solid, gas):** Non applicable

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|                                                |                                            |
|------------------------------------------------|--------------------------------------------|
| <b>Auto-ignition temperature:</b>              | No data available.                         |
| <b>Explosive properties:</b>                   | No data available                          |
| <b>Explosion limits:</b>                       | No data available.                         |
| <b>Oxidising properties:</b>                   | No data available.                         |
| <b>Vapour pressure:</b>                        | No data available.                         |
| <b>Evaporation rate:</b>                       | No data available.                         |
| <b>Vapour density:</b>                         | No data available.                         |
| <b>Density:</b>                                | 1 g/cm <sup>3</sup>                        |
| <b>Solubility in / Miscibility with water:</b> | Miscible                                   |
| <b>Partition coefficient: n-octanol/water:</b> | No data available.                         |
| <b>Viscosity</b>                               |                                            |
| <b>Dynamic:</b>                                | No data available.                         |
| <b>9.2 Other information</b>                   | No further relevant information available. |

### SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability** Stable under usual conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known if used according to specifications.

**10.4 Conditions to avoid** Avoid extreme temperatures and direct sun exposure.

**10.5 Incompatible materials:** Do not mix with other products.

**10.6 Hazardous decomposition products:** None under normal conditions of storage and use.

### SECTION 11: Toxicological information

**11.1 Information on toxicological effects**

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

**LD/LC50 values relevant for classification:**

There are no product specific data on toxicology available.

**Primary irritant effect:**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/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.

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Aquatic toxicity:

For the product there are no ecotoxicological data available. All data refer to the active substance.

**CAS: 89997-63-7 Chrysanthemum cinerariaefolium, ext.**

LC50/96h 0.0052 mg/l (rainbow trout, *Oncorhynchus mykiss*)

EC50/48h 0.012 mg/l (water flea, *Daphnia magna*)

IC50/72h  $\geq 1.27$  mg/l (algae)

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**12.5 Results of PBT and vPvB assessment** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Recommendation



Do not dispose waste or remains together with domestic waste, do not empty into sink or toilet, hand over to hazardous waste disposers.

**European waste catalogue** 02 01 08: agrochemical waste containing dangerous substances

##### Uncleaned packaging:

##### Recommendation:

Disposal must be made according to official regulations.

Do not reuse empty contaminated packaging for other purposes; dispose according to official regulations.

Not completely emptied packaging is to be disposed of in the same manner as the product.

### SECTION 14: Transport information

#### 14.1 UN-Number

##### ADR

UN3082

#### 14.2 UN proper shipping name

##### ADR

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (*Chrysanthemum cinerariaefolium*, ext.)

#### 14.3 Transport hazard class(es)

##### ADR



##### Class

9 (M6) Miscellaneous dangerous substances and articles.

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|                                                                                          |                                                                                                                     |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Label</b>                                                                             | 9                                                                                                                   |
| <b>14.4 Packing group<br/>ADR</b>                                                        | III                                                                                                                 |
| <b>14.5 Environmental hazards:<br/>Special marking (ADR):</b>                            | Symbol (fish and tree)                                                                                              |
| <b>14.6 Special precautions for user<br/>Hazard identification number (Kemler code):</b> | Warning: Miscellaneous dangerous substances and articles.<br>90                                                     |
| <b>14.7 Transport in bulk according to Annex II<br/>of MARPOL and the IBC Code</b>       | Not applicable.                                                                                                     |
| <b>UN "Model Regulation":</b>                                                            | UN 3082 ENVIRONMENTALLY HAZARDOUS<br>SUBSTANCE, LIQUID, N.O.S.<br>(CHRYSANTHEMUM CINERARIAEFOLIUM,<br>EXT.), 9, III |

### SECTION 15: Regulatory information

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

**National regulations:** -

**Additional information:**

Use biocides safely. Always read the label and product information before use.

**Other regulations, limitations and prohibitive regulations**

This formulation is beyond the scope of Regulation (EC) No 1005/2009 of the European Parliament and the Council of 29 June 2000 on substances that deplete the ozone layer.

This formulation is beyond the scope of Regulation (EC) No 2019/1021 of the European Parliament and the Council of 20 June 2019 on persistent organic pollutants.

This formulation is beyond the scope of Regulation (EC) No 649/2012 of the European Parliament and the Council of 17 June 2008 concerning the export and import of dangerous chemicals.

This formulation is not subject to special provisions for the protection of human health or the environment at Community level.

**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.

**Relevant phrases**

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

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.

**Further information:**

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008: Calculation method

**Abbreviations and acronyms:**

CLP: REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

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CAS: Chemical Abstracts Service (division of the American Chemical Society)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
MAK: maximum concentration of a chemical substance in the workplace  
AGW: occupational exposure limit  
IOELV: Indicative Occupational Exposure Limit Values (EU)  
EC50: maximal effective concentration, 50 percent  
IC50: maximal inhibitory concentration, 50 percent  
LC50: lethal concentration, 50 percent  
PBT: persistent, bioaccumulative and toxic properties  
vPvB: very persistent and very bioaccumulative properties  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
Acute Tox. 4: Acute toxicity - oral – Category 4  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Skin Sens. 1B: Skin sensitisation – Category 1B  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

**Data compared to the previous version altered : section 1**