

## Safety Data Sheet

according to Regulation (EC) Nr. 1907/2006 (REACH)

Print date: 13.10.2015

Revision number 1.2

Version date: 13.10.2015

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

#### 1.1 Product identifier

· Product name: **Larvanon 2SG**

· Product code: 299763

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

· Identified uses of the substance or mixture  
Larvicide

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

Albert Kerbl GmbH  
Felizenzell 9  
D-84428 Buchbach  
www.kerbl.com  
Tel.: 0049-(0)8086-933-100  
E-Mail: info@kerbl.com

· **Responsible Department:**

Albert Kerbl GmbH  
Tel.: 0049-(0)8086-933-104  
E-Mail: bm@kerbl.com

#### 1.4 Emergency telephone number:

Gemeinsames Giftinformationszentrum der Länder Mecklenburg-Vorpommern, Sachsen,  
Sachsen-Anhalt und Thüringen  
c/o HELIOS Klinikum Erfurt Nordhäuser Straße 74  
Tel.: (03 61) 73 07 30 - Fax: (03 61) 7 30 73 17  
E-Mail: ggiz@ggiz-erfurt.de - Internet: www.ggiz-erfurt.de

### 2 Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) Nr. 1272/2008**

None

#### 2.2 Label elements

**Label elements according to Regulation (EC) Nr. 1272/2008 (CLP/GHS)**

Precautionary statements

P102 - Keep out of reach of children.

P103 - Read label before use.

P273 - Avoid release to the environment.

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

#### 2.3 Other hazards

None



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### 3 Composition/information on ingredients

**Chemical Characterization: Mixtures**

**Hazardous ingredients:**

CAS: 66215-27-8	Cyromazine, technical	2 %
EC-Nr. 266-257-8	Aquatic Chronic 3, H412	

**Additional information:**

The wording of the listed risk phrases and hazard statements refer to section 16.

### 4 First aid measures

**4.1 Description of first aid measures**

**· General information:**

If you feel unwell, seek medical advice (show the label where possible).

**· Inhalation:**

If you feel unwell, seek medical advice. Move to fresh air.

**· Skin contact:**

Rinse abundantly in the water and in the soap.

**· Eye contact:**

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

**· Ingestion:**

Rinse mouth.

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

None - if used properly.

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

Treatment is symptomatic and supportive. A specific antidote is not known.

### 5 Firefighting measures

**5.1 Extinguishing media**

Suitable methods of extinction - In the event of a fire, use: sprayed water or water mist, foam, multipurpose ABC powder, BC powder, carbon dioxide (CO<sub>2</sub>)

Unsuitable methods of extinction - In the event of a fire, do not use: water jet

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

In the event of a fire, toxic fumes may be formed (CO, CO<sub>2</sub>, NO<sub>x</sub>). Do not breathe in smoke.

**5.3 Advice for firefighters**

Protection for firefighters: Do not enter fire area without adequate protective equipment, including respiratory protection.

Collect extinguishing water. Prevent any material from entering drains or waterways. Dispose fire residues and contaminated fire fighting water in accordance with official regulations.



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### 6 Accidental release measures

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

Consult the safety measures listed under headings 7 and 8.

Avoid dust formation. Evacuate unnecessary personnel. Wear dust protection mask.

#### 6.2 Environmental precautions:

Avoid release to the environment. Prevent any material from entering drains or waterways.

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

Collect spilled powder, wipe off, and dispose to chemical waste. Ventilate spaces before entering.

Other information: Take off contaminated clothing, wash your hands / skin thoroughly with soap and water.

#### 6.4 Reference to other sections

Informationen regarding safe handling see chapter 7.

Informationen regarding personal protection see chapter 8.

Informationen regarding disposal see chapter 13.

### 7 Handling and storage

#### 7.1 Precautions for safe handling

Avoid dust formation.

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

##### - Requirements for storage rooms and vessels:

Keep out of reach of children and pets. Store only in tightly closed original containers in a cool, dry place.

#### 7.3 Specific end use(s)

Not applicable.

### 8 Exposure controls/personal protection

#### 8.1 Control parameters

None

#### 8.2 Exposure controls / Personal protection

Appropriate engineering controls: Ventilate closed spaces before entering. Avoid prolonged or repeated exposure. When using this product do not eat, drink or smoke.

##### Eye / face protection

Avoid contact with eyes. Wear safety goggles with protective sides.

##### Hand protection

Avoid contact with skin. Wash thoroughly after work using soap / water.

##### Skin protection (other than of the hands)

Wear suitable protective clothing. Wash skin with soap / water thoroughly.

##### Respiratory protection

Do not breathe dust. Where adequate ventilation is guaranteed, there is no need for exceptional protection measures.

##### Thermal hazards

No data available.

##### Exposure controls regarding environmental protection

Avoid release to the environment.



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### 9 Physical and chemical properties

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

- **General Information**
- **Appearance:**
  - Form: granules
  - Colour: white
- **Odour:** none
- **Smell Threshold:** no data available
- **pH:** 7.5
- **Change of state**
  - Melting point/range: 133-135 °C. (active substance: 223 °C)
  - Boiling point/range: no data available
- **Flash point:** no data available
- **Flammability (solid, gas):** The product is combustible.
- **Ignition temperature:** no data available
- **Thermal decomposition:** no data available
- **Autoinflammability:** no data available
- **Explosion hazard:** Not explosive. However, dense dust clouds at high temperatures are at risk of explosion, in principle.
- **Explosion limits:**
  - Lower: no data available
  - Upper: no data available
- **Vapour pressure at 20 °C:** negligible
- **Density:** 1.335 g/cm<sup>3</sup>
- **Bulk density** 0.70 kg/l (bulk density), 0.75 kg/l (compacted)
- **Vapour density** no data available
- **Evaporation rate** no data available
- **Solubility / miscibility**
  - Water: completely soluble
- **Partition coefficient (n-Octanol/Water):** log Pow = -0.0644
- **Viscosity:** no data available
- **Oxidising properties** not oxidising

#### 9.2 Other information

No data available.

### 10 Stability and reactivity

- 10.1 Reactivity** Stable under normal conditions.
- 10.2 Chemical stability** Stable under normal conditions.
- 10.3 Possibility of hazardous reactions** Under normal conditions of use no hazardous reactions known.
- 10.4 Conditions to avoid:** Uncontrolled heating.
- 10.5 Incompatible materials:** Oxidants.
- 10.6 Hazardous decomposition products:** Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides, Ammonia.



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### 11 Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity:

Oral	LD-50	>5000 mg/kg (Rat)
Subcutaneous	LD-50	>2000 mg/kg (Rat)
Inhalation	LD-50	>180 mg/kg (Rat)

##### Skin corrosion/irritation:

Does not cause skin irritation.

##### Eye damage/irritation:

Does not cause eye irritation.

##### Sensitisation, respiratory or skin:

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

##### Carcinogenicity, germ cell mutagenicity, reproductive toxicity (CMR):

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

##### Specific target organ toxicity (STOT), single/repeated exposure:

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

##### Aspiration hazard:

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

##### Additional toxicological information:

Irritating to mucous membranes and upper respiratory tract.  
May be harmful if absorbed through the skin, by inhalation or ingestion.

### 12 Ecological information

#### 12.1 Toxicity

##### Aquatic Toxicity:

LC-50	>100 mg/l (Scenedemus subspicatus, 120 h)
EC-50	>250 mg/l (Daphnia magna, 48h)
LC-50	90 mg/l (Rainbow trout, 96 h)
EC-50	2.6 mg/l (P. subcapitata, 96 h)

##### Others:

LD-50	>6000 mg/kg (Japanese quail, orally)
LD-50	>6000 mg/kg (Mallard duck, orally intensive)
LD-50	>10000 mg/kg (Japanese quail, 8-daily intake with food)

#### 12.2 Persistence and degradability

Degradation of the active ingredient is limited.

#### 12.3 Bioaccumulative potential

No further information available.

#### 12.4 Mobility in soil

The active ingredient is not leached from soil or sediment. Soil sorption capacity: 0.63 mg / kg (limestone).

#### 12.5 Results of PBT and vPvB assessment

No further information available.

#### 12.6 Other adverse effects

Not known as harmful to beneficial organisms.  
Prevent any material from entering drains or waterways.



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### 13 Disposal considerations

#### 13.1 Waste treatment methods

Product: Dispose excess of product as a hazardous waste and hand over to a collection point or collection center for toxic hazardous waste. Prevent any material from entering drains or waterways.

Container: Empty, thoroughly cleansed containers can be recycled.

### 14 Transport information

14.1 UN number Not classified as dangerous good according to transport regulations

14.2 UN proper shipping name none

14.3 Transport hazard class(es) none

14.4 Packing group none

14.5 Environmental hazards none

14.6 Special precautions for user none

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
Not applicable.

### 15 Regulatory information

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

##### EU-Regulations

none

##### National Regulations

##### Germany: Wassergefährdungsklasse (WGK)

slightly hazardous to water (WGK 1), Classification according to VwVwS

15.2 Chemical safety assessment: No data available

### 16 Other information

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

#### Revision notes

\* Changes since the last version

#### Abbreviations

WGK : Wassergefährdungsklasse (Water Hazard Class).

#### Title for H and EUH indications (Number and text)

H412 - Harmful to aquatic life with long lasting effects.

#### Methods of evaluating information referred to in Article 9 of Regulation (EC) No 1272/2008 for the purpose of classification

Classification based on the components