# Safety data sheet

according to Regulation (EC) No. 1907/2006

## ALGAWAY

Version number: GHS 1.1 Date of creation: 12.02.2022

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

### 1.1 Product identifier

| | |
|---|---|
| Trade name | **ALGAWAY** |
| Registration number (REACH) | not available |
| EINECS number | not available |
| CAS number | not available |
| **Other designations** | |
| Product number | ALG |

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

| | |
|---|---|
| Relevant identified uses | Uses by consumers<br>Algae remover in freshwater aquariums |

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

ARKA Biotechnologie GmbH
Mühllach 53-55 90552
Röthenbach Germany

Phone: +49 (0)911 5698610 00
Fax: +49 (0)911 5698610 29
e-mail (knowledgeable person) info@arka-biotech.de

### 1.4 Emergency number

| | |
|---|---|
| Emergency information service | Poison control center Munich<br>Available by phone 24h / 7 days a week Phone:<br>+49 (0)89 19240 |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects

### 2.2 Labeling according to Regulation (EC) No. 1272/2008 (CLP)

**Hazard pictograms:** not applicable

**Signal word:** not applicable
**Hazard statements:** H412 Harmful to aquatic life with long lasting effects
**Precautionary statements:**
**H-phrases: H412:** Harmful to aquatic life with long lasting effects
**P-phrases:**
**P101:** If medical advice is needed, have product container or label at hand.
**P102:** Keep out of the reach of children.

**P103:** Read label before use.
**P273:** Avoid release to the environment.
**P501:** Dispose of contents / container in accordance with local / regional / national / international regulations.

### 2.3 Other dangers

This mixture contains no components in concentrations that are classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

| | |
|---|---|
| **Substance name** | Salicylic acid |
| EINECS | 200-712-3 |
| CAS number | 69-72-7 |
| Content of the mixture | ≥0,01 - < 0,25% |
| Sum formula | $C_7H_6O_3$ |
| Molecular weight | 138.1 g/mol |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures General notes

Remove soiled, soaked clothing immediately. If symptoms occur or in case of doubt, seek medical advice. If unconscious, place in recovery position and do not administer anything by mouth. Show this safety data sheet to the attending physician.

**After inhalation**

Provide fresh air. Consult a doctor if symptoms persist.

**After contact with the skin**

Wash/shower skin with soap and plenty of water. If symptoms persist, consult a doctor.

**After contact with the eyes**

Keep eyelids open and rinse thoroughly with clean, running water for at least 15 minutes. Remove any contact lenses if possible. Continue rinsing. Consult a doctor.

**After ingestion by swallowing**

DO NOT induce vomiting. Rinse mouth with water. Consult a doctor.

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

No information available.

### 4.3 Information on immediate medical assistance or special treatment

No information available.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing agent

**Suitable extinguishing agents**

CO2, water, foam, alcohol-resistant foam, ABC powder. Adapt extinguishing measures to the surroundings mmen.

**Unsuitable extinguishing agents**

None

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

No information available.

**Hazardous combustion products**

No further relevant information available.

### 5.3 Instructions for firefighting

Fight the fire with the usual precautions from an appropriate distance. Stay in the danger zone only with self-contained breathing apparatus. Avoid skin contact by maintaining a safe distance or wearing suitable protective clothing.

## SECTION 6: Accidental release measures

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

**Staff not trained for emergencies**

Avoid contact with skin and eyes. Ensure good ventilation.

**Emergency services**

Respiratory protective equipment must be worn when exposed to vapors, dusts, aerosols and gases. Personal protective equipment: see section 8.

### 6.2 Environmental protection measures

Prevent the product from entering the sewage system or surface and ground water.

### 6.3 Methods and material for retention and cleaning

**Instructions on how to prevent spilled materials from spreading**

Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder, sawdust).

**Further information on spillage and release**

Dispose of in suitable containers.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Protective measures for safe handling

**Recommendations**

**Notes on general hygiene in the workplace**

Wash hands after use. Do not eat, drink or smoke in areas where work is being carried out. Remove contaminated clothing and protective equipment before entering areas where food is eaten. Do not store food and drinks together with chemicals. Do not use containers for chemicals that are normally intended for holding food. Keep away from food, drinks and animal feed.

### 7.2 Conditions for safe storage, taking into account incompatibilities

Keep container tightly closed. Store in a dry, cool place away from sunlight.

**Incompatible substances or mixtures**

Observe storage instructions.

**Storage class:** 10 - 13

### 7.3 Specific end uses

See section 1.2.

## SECTION 8: Exposure controls/personal protective equipment

### 8.1 Parameters to be monitored

**National limit values**

no data available

**8.2.1 General protective and hygiene measures**

Keep away from food, drink and animal feed.

Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin.

**8.2.2 Individual protective measures (personal protective equipment)**

**Eye/face protection**

Wear safety goggles/face protection.

**Skin protection**

Wear protective clothing. Remove contaminated clothing and wash before reuse.

**Hand protection**

Wear protective gloves. The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the resulting standard EN 374.

**Other protective measures**

The selection of a suitable glove depends not only on the material, but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use. Wash hands thoroughly after use.

**Respiratory protection**

Not required.

**8.2.3 Limiting and monitoring environmental exposure**

Prevent penetration into the canal lization or into surface and ground water.

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| Physical state | liquid |
| color | light blue |
| Odor | Chemical odor |
| **Other physical and chemical parameters** | |
| pH valueNo | data available |
| Melting point/freezing point | 0 °C |
| Initial boiling point and boiling range | 100 °C |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gaseous) | No data available |
| Explosion limits of dust/air mixtures | No data available |
| Vapor pressure | No data available |
| Density at 20 °C | ~ 1.0 g/cm³ |
| Bulk density | not applicable |
| Solubility(ies) | |
| Water solubility | Fully miscible |
| Partition coefficient | |
| n-octanol/water (log KOW) | No data available No data |
| Auto-ignition temperature | available |
| Viscosity | liquid |
| Explosive properties | No data available |
| Oxidizing properties | No data available |

## SECTION 10: Stability and reactivity

**9.2 Other information**

No data is available.

**10.1 Reactivity**

No further relevant information available.

**10.2 Chemical stability**

No decomposition when used as intended.

**10.3 Possibility of hazardous reactions**

No dangerous reactions known.

**10.4 Conditions to avoid**

No further relevant information available.

**10.5 Incompatible materials**

No further relevant information available.

**10.6 Hazardous decomposition products**

Reasonably anticipated hazardous decomposition products formed during use, storage, spillage and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

**11.1 Information on toxicological effects**

**Classification according to GHS (1272/2008/EC, CLP) Acute toxicity**

No data available.

**Corrosive/irritant effect on the skin**

Serious eye damage/irritation

**Serious eye damage/eye irritation**

No data available.

**Sensitization of the respiratory tract or skin**

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

**Summary of the assessment of CMR properties**

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

**Specific target organ toxicity (STOT)**

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

**Aspiration hazard**

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

**Other information**

Further hazardous properties cannot be excluded. The usual precautions for handling chemicals must be observed. The usual precautionary measures for handling chemicals must be observed.

## SECTION 12: Environmental information

**12.1 Toxicity**

No data is available

**12.2 Bioaccumulative potential**

No data is available.

**12.3 Mobility in soil**

No data is available.

**12.4 Results of the PBT and vPvB assessment**

Not applicable.

**12.5 Other harmful effects**

None known

**Further ecological information:**

Water hazard class 2 (self-classification): clearly hazardous to water

Do not allow product to reach ground water, water course or sewage system.

## SECTION 13: Disposal instructions

**13.1 Waste treatment processes**

Product residues must be disposed of in accordance with the Waste Directive 2008/98/EC and national and regional regulations.

**Information relevant for waste treatment**

Store only in the original container.

**Information relevant for disposal via wastewater**

Do not allow to enter drains.

**Waste treatment of containers/packaging**

Completely emptied packaging can be recycled.
Contaminated packaging must be treated in the same way as the substance.

**Notes**

Please observe the relevant national or regional regulations. Waste must be separated in such a way that it can be treated separately by the municipal or national waste disposal facilities.

## SECTION 14: Transport information

| | | |
|---|---|---|
| **14.1** | **UN number** | No dangerous goods as defined by national and international transport regulations (not subject to transport regulations) |
| **14.2** | **UN proper shipping name** | Not applicable |
| **14.3** | **Transport hazard classes**<br>Class | not applicable |
| **14.4** | **Packaging group** | not relevant |
| **14.5** | **Environmental hazards** | none (not hazardous to the environment according to dangerous goods regulations) |

**14.6 Special precautions for the user**

Not applicable.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not applicable.

## SECTION 15: Legislation

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

**Labeling according to Regulation (EC) No. 1272/2008**

Restriction conditions: 3

**Hazard warnings**

See section 2

**Water hazard class**

WGK 1 (self-classification) slightly hazardous to water

**15.2 Chemical safety assessment**

No chemical safety assessment has been carried out for this substance.

## SECTION 16: Other information

**Abbreviations and acronyms**

| Abbr. | Descriptions of the abbreviations used |
|---|---|
| ADR | Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| AGW | Occupational exposure limit |
| CAS | Chemical Abstracts Service (database of chemical compounds and their unique key, the CAS Registry Number) |
| CLP | Regulation (EC) No. 1272/2008 on classification, labeling and packaging of substances and mixtures |
| CMR | Carcinogenic, Mutagenic or toxic for Reproduction (carcinogenic, mutagenic or toxic for reproduction) |

| | |
|---|---|
| DFG | German Research Foundation List of MAK and BAT values, Senate Commission for the Examination of Health Hazardous Substances, Wiley-VCH, Weinheim |
| DMEL | Derived minimal effect level (derived exposure level with minimal impairment) |
| DNEL | Derived No-Effect Level (derived exposure level without impairment) |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| Index no. | The index number is the identification code given in Part 3 of Annex VI to Regulation (EC) No 1272/2008. |
| KZW | Short-term value |
| LGK | Storage class according to TRGS 510, Germany |
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbreviation of "Marine Pollu- tant") |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration (estimated no-effect concentration) |
| ppm | Parts per million (parts per million) |
| REACH | Registration, Evaluation, Authorization and Restriction of Chemicals (Registration, Evaluation, Authorization and Restriction of Chemicals) |
| SMW | Shift average |
| TRGS | Technical Rules for Hazardous Substances (Germany) |
| TRGS 900 | Occupational exposure limits (TRGS 900) |
| VbF | Ordinance on flammable liquids (Austria) |
| vPvB | Very Persistent and very Bioaccumulative (very persistent and very bioaccumulative) |

**Important literature and data sources**

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU
- Regulation (EC) No. 1272/2008 (CLP, EU-GHS)

**List of relevant phrases (code and wording as indicated in chapters 2 and 3)**

| Code | Text |
|---|---|
| H412 | Harmful to aquatic life with long lasting effects |
| P101 | If medical advice is required, have packaging or label ready. |
| P102 | Keep out of the reach of children. |
| P103 | Read label before use. |
| P273 | Avoid release to the environment. |
| P501 | Dispose of contents / container in accordance with local / regional / national / international regulations |

**Disclaimer**

This information is based on our current knowledge. This SDS has been compiled exclusively for this product and is intended solely for this product.