

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formulation

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

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

#### 1.1 Product identifier

Trade name : Aluminum Chloride (with Bentonite) Formulation

Product code : Proquatic PondFloc

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

Use of the Substance/Mixture : Veterinary product

Recommended restrictions on use : Not applicable

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

Company : MSD  
Kilsheelan  
Clonmel Tipperary, IE

Telephone : 353-51-601000

E-mail address of person responsible for the SDS : EHSDATASTEWARD@msd.com

#### 1.4 Emergency telephone number

+1-908-423-6000

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1 H318: Causes serious eye damage.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H318 Causes serious eye damage.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula-tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

Precautionary statements :

### Prevention:

P280 Wear eye protection/ face protection.

### Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

Hazardous components which must be listed on the label:

Aluminum chloride, basic

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Contact with dust can cause mechanical irritation or drying of the skin.  
May form explosive dust-air mixture during processing, handling or other means.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

| Chemical name            | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number | Classification                         | Concentration<br>(% w/w) |
|--------------------------|-------------------------------------------------------|----------------------------------------|--------------------------|
| Aluminum chloride, basic | 1327-41-9<br>215-477-2                                | Met. Corr. 1; H290<br>Eye Dam. 1; H318 | >= 70 - < 90             |

For explanation of abbreviations see section 16.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula-tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- |                            |   |                                                                                                                                                                                |
|----------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice             | : | In the case of accident or if you feel unwell, seek medical advice immediately.<br>When symptoms persist or in all cases of doubt seek medical advice.                         |
| Protection of first-aiders | : | First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).    |
| If inhaled                 | : | If inhaled, remove to fresh air.<br>Get medical attention if symptoms occur.                                                                                                   |
| In case of skin contact    | : | Wash with water and soap.<br>Get medical attention if symptoms occur.                                                                                                          |
| In case of eye contact     | : | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.<br>If easy to do, remove contact lens, if worn.<br>Get medical attention immediately. |
| If swallowed               | : | If swallowed, DO NOT induce vomiting.<br>Get medical attention if symptoms occur.<br>Rinse mouth thoroughly with water.                                                        |

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

- |       |   |                                                                                                            |
|-------|---|------------------------------------------------------------------------------------------------------------|
| Risks | : | Contact with dust can cause mechanical irritation or drying of the skin.<br><br>Causes serious eye damage. |
|-------|---|------------------------------------------------------------------------------------------------------------|

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

- |           |   |                                         |
|-----------|---|-----------------------------------------|
| Treatment | : | Treat symptomatically and supportively. |
|-----------|---|-----------------------------------------|

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- |                                |   |                                                                               |
|--------------------------------|---|-------------------------------------------------------------------------------|
| Suitable extinguishing media   | : | Water spray<br>Alcohol-resistant foam<br>Carbon dioxide (CO2)<br>Dry chemical |
| Unsuitable extinguishing media | : | None known.                                                                   |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula-tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

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

Specific hazards during fire-fighting : Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.  
Exposure to combustion products may be a hazard to health.

Hazardous combustion products : Metal oxides  
Chlorine compounds

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.

## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

### 6.2 Environmental precautions

Environmental precautions : Avoid release to the environment.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

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

Methods for cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).  
Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula-tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- |                         |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technical measures      | : | Static electricity may accumulate and ignite suspended dust causing an explosion.<br>Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.                                                                                                                                                                                                                                                                                                                                                                                      |
| Local/Total ventilation | : | Use only with adequate ventilation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Advice on safe handling | : | Do not breathe dust.<br>Do not swallow.<br>Do not get in eyes.<br>Avoid prolonged or repeated contact with skin.<br>Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment<br>Keep container tightly closed.<br>Minimize dust generation and accumulation.<br>Keep container closed when not in use.<br>Keep away from heat and sources of ignition.<br>Take precautionary measures against static discharges.<br>Take care to prevent spills, waste and minimize release to the environment. |
| Hygiene measures        | : | If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.<br>The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.                                                                      |

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

- |                                               |   |                                                                                                                             |
|-----------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------|
| Requirements for storage areas and containers | : | Keep in properly labelled containers. Keep tightly closed.<br>Store in accordance with the particular national regulations. |
| Advice on common storage                      | : | Do not store with the following product types:<br>Strong oxidizing agents                                                   |

### 7.3 Specific end use(s)

- |                 |   |                   |
|-----------------|---|-------------------|
| Specific use(s) | : | No data available |
|-----------------|---|-------------------|

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula-tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

|      |                                                                                               |
|------|-----------------------------------------------------------------------------------------------|
| Dust | 5 mg/m3<br>Value type (Form of exposure): TWA (respirable dust)<br>Basis: FOR-2011-12-06-1358 |
|      | 10 mg/m3<br>Value type (Form of exposure): TWA (total dust)<br>Basis: FOR-2011-12-06-1358     |

| Components               | CAS-No.   | Value type (Form of exposure) | Control parameters  | Basis               |
|--------------------------|-----------|-------------------------------|---------------------|---------------------|
| Aluminum chloride, basic | 1327-41-9 | TWA                           | 2 mg/m3 (Aluminium) | FOR-2011-12-06-1358 |

##### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

| Substance name           | End Use   | Exposure routes | Potential health effects   | Value             |
|--------------------------|-----------|-----------------|----------------------------|-------------------|
| Aluminum chloride, basic | Workers   | Inhalation      | Long-term systemic effects | 16,4 mg/m3        |
|                          | Workers   | Skin contact    | Long-term systemic effects | 4,6 mg/kg bw/day  |
|                          | Consumers | Inhalation      | Long-term systemic effects | 4 mg/m3           |
|                          | Consumers | Skin contact    | Long-term systemic effects | 2,32 mg/kg bw/day |
|                          | Consumers | Ingestion       | Long-term systemic effects | 2,32 mg/kg bw/day |

##### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

| Substance name           | Environmental Compartment | Value        |
|--------------------------|---------------------------|--------------|
| Aluminum chloride, basic | Fresh water               | 0,0003 mg/l  |
|                          | Marine water              | 0,00003 mg/l |
|                          | Sewage treatment plant    | 20 mg/l      |

#### 8.2 Exposure controls

##### Engineering measures

All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.  
Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices).  
Minimize open handling.

##### Personal protective equipment

Eye/face protection : Wear safety glasses with side shields or goggles.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula-tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles.  
Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.

Hand protection

Material : Chemical-resistant gloves

Remarks : Consider double gloving.

Skin and body protection : Work uniform or laboratory coat.  
Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.  
Use appropriate degowning techniques to remove potentially contaminated clothing.

Respiratory protection : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.  
Filter should conform to NS EN 14387

Filter type : Combined particulates and inorganic gas/vapour type (B-P)

### SECTION 9: Physical and chemical properties

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

|                                                  |                                                                                   |
|--------------------------------------------------|-----------------------------------------------------------------------------------|
| Physical state                                   | : powder                                                                          |
| Colour                                           | : yellow                                                                          |
| Odour                                            | : characteristic                                                                  |
| Odour Threshold                                  | : No data available                                                               |
| Melting point/freezing point                     | : No data available                                                               |
| Initial boiling point and boiling range          | : No data available                                                               |
| Flammability (solid, gas)                        | : May form explosive dust-air mixture during processing, handling or other means. |
| Flammability (liquids)                           | : Not applicable                                                                  |
| Upper explosion limit / Upper flammability limit | : No data available                                                               |
| Lower explosion limit / Lower flammability limit | : No data available                                                               |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula-tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

Flash point : Not applicable

Auto-ignition temperature : No data available

Decomposition temperature : No data available

pH : No data available

Viscosity  
Viscosity, kinematic : Not applicable

Solubility(ies)  
Water solubility : No data available

Partition coefficient: n-octanol/water : Not applicable

Vapour pressure : No data available

Relative density : No data available

Density : No data available

Relative vapour density : Not applicable

Particle characteristics  
Particle size : No data available

### 9.2 Other information

Explosives : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Evaporation rate : Not applicable

Molecular weight : No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not classified as a reactivity hazard.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : May form explosive dust-air mixture during processing, handling or other means.  
Can react with strong oxidizing agents.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula-tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.  
Avoid dust formation.

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

## SECTION 11: Toxicological information

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

Information on likely routes of exposure : Inhalation  
Skin contact  
Ingestion  
Eye contact

#### Acute toxicity

|| Not classified based on available information.

#### Components:

##### Aluminum chloride, basic:

|                       |                                                                                                                                   |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Acute oral toxicity   | : LD50 (Rat): > 2.000 mg/kg<br>Method: OECD Test Guideline 401<br>Assessment: The substance or mixture has no acute oral toxicity |
| Acute dermal toxicity | : LD50 (Rat): > 2.000 mg/kg                                                                                                       |

#### Skin corrosion/irritation

|| Not classified based on available information.

#### Components:

##### Aluminum chloride, basic:

|         |                           |
|---------|---------------------------|
| Species | : Rabbit                  |
| Method  | : OECD Test Guideline 404 |
| Result  | : No skin irritation      |

#### Serious eye damage/eye irritation

|| Causes serious eye damage.

#### Components:

##### Aluminum chloride, basic:

|         |                           |
|---------|---------------------------|
| Species | : Rabbit                  |
| Method  | : OECD Test Guideline 405 |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula- tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

||Result : Irreversible effects on the eye

### Respiratory or skin sensitisation

#### Skin sensitisation

|| Not classified based on available information.

#### Respiratory sensitisation

|| Not classified based on available information.

#### Components:

##### Aluminum chloride, basic:

|                 |                                 |
|-----------------|---------------------------------|
| Test Type       | : Local lymph node assay (LLNA) |
| Exposure routes | : Skin contact                  |
| Species         | : Mouse                         |
| Result          | : negative                      |

### Germ cell mutagenicity

|| Not classified based on available information.

#### Components:

##### Aluminum chloride, basic:

|                       |                                                                                                                                                                                                                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Genotoxicity in vitro | : Test Type: in vitro micronucleus test<br>Method: OECD Test Guideline 487<br>Result: negative<br><br>Test Type: In vitro mammalian cell gene mutation test<br>Method: OECD Test Guideline 476<br>Result: negative<br><br>Test Type: Bacterial reverse mutation assay (AMES)<br>Method: OECD Test Guideline 471<br>Result: negative |
| Genotoxicity in vivo  | : Test Type: Mammalian erythrocyte micronucleus test (in vivo<br>cytogenetic assay)<br>Species: Rat<br>Application Route: Ingestion<br>Method: OECD Test Guideline 474<br>Result: negative<br>Remarks: Based on data from similar materials                                                                                         |

### Carcinogenicity

|| Not classified based on available information.

### Reproductive toxicity

|| Not classified based on available information.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula- tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

### Components:

#### Aluminum chloride, basic:

|                               |   |                                                                                                                                                                                                                     |
|-------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Effects on fertility          | : | Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test<br>Species: Rat<br>Application Route: Ingestion<br>Method: OECD Test Guideline 422<br>Result: negative |
| Effects on foetal development | : | Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test<br>Species: Rat<br>Application Route: Ingestion<br>Method: OECD Test Guideline 422<br>Result: negative |

#### STOT - single exposure

|| Not classified based on available information.

#### STOT - repeated exposure

|| Not classified based on available information.

#### Repeated dose toxicity

### Components:

#### Aluminum chloride, basic:

|                   |   |                         |
|-------------------|---|-------------------------|
| Species           | : | Rat                     |
| NOAEL             | : | 200 mg/kg               |
| LOAEL             | : | 1.000 mg/kg             |
| Application Route | : | Ingestion               |
| Exposure time     | : | 28 - 53 Days            |
| Method            | : | OECD Test Guideline 422 |

#### Aspiration toxicity

|| Not classified based on available information.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

|| Not classified based on available information.

### Product:

|            |   |                                                                                                                                                                                                                                                             |
|------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assessment | : | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |
|------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula-tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### **Aluminum chloride, basic:**

|                                  |                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Toxicity to fish                 | : LC50 (Danio rerio (zebra fish)): > 1 - 10 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203                       |
| Toxicity to algae/aquatic plants | : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 1 - 10 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201 |
| Toxicity to microorganisms       | : EC50 : > 1.000 mg/l<br>Exposure time: 3 h<br>Method: OECD Test Guideline 209<br>Remarks: Based on data from similar materials  |

##### **Ecotoxicology Assessment**

|                          |                                          |
|--------------------------|------------------------------------------|
| Chronic aquatic toxicity | : No toxicity at the limit of solubility |
|--------------------------|------------------------------------------|

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

##### Product:

|            |                                                                                                                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assessment | : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 12.6 Endocrine disrupting properties

##### Product:

|            |                                                                                                                                                                                                                                                               |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assessment | : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula-tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

### 12.7 Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

|                        |                                                                                                                                                                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                | : Dispose of in accordance with local regulations.<br>According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.<br>Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.<br>Do not dispose of waste into sewer. |
| Contaminated packaging | : Empty containers should be taken to an approved waste handling site for recycling or disposal.<br>If not otherwise specified: Dispose of as unused product.                                                                                                                                                        |

## SECTION 14: Transport information

### 14.1 UN number or ID number

|      |           |
|------|-----------|
| ADN  | : UN 3260 |
| ADR  | : UN 3260 |
| RID  | : UN 3260 |
| IMDG | : UN 3260 |
| IATA | : UN 3260 |

### 14.2 UN proper shipping name

|      |                                                                            |
|------|----------------------------------------------------------------------------|
| ADN  | : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.<br>(Aluminum chloride, basic) |
| ADR  | : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.<br>(Aluminum chloride, basic) |
| RID  | : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.<br>(Aluminum chloride, basic) |
| IMDG | : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.<br>(Aluminum chloride, basic) |
| IATA | : Corrosive solid, acidic, inorganic, n.o.s.<br>(Aluminum chloride, basic) |

### 14.3 Transport hazard class(es)

|     | Class | Subsidiary risks |
|-----|-------|------------------|
| ADN | : 8   |                  |
| ADR | : 8   |                  |
| RID | : 8   |                  |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula- tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

|             |   |   |
|-------------|---|---|
| <b>IMDG</b> | : | 8 |
| <b>IATA</b> | : | 8 |

### 14.4 Packing group

|                                          |             |
|------------------------------------------|-------------|
| <b>ADN</b>                               |             |
| Packing group                            | : III       |
| Classification Code                      | : C2        |
| Hazard Identification Number             | : 80        |
| Labels                                   | : 8         |
| <b>ADR</b>                               |             |
| Packing group                            | : III       |
| Classification Code                      | : C2        |
| Hazard Identification Number             | : 80        |
| Labels                                   | : 8         |
| Tunnel restriction code                  | : (E)       |
| <b>RID</b>                               |             |
| Packing group                            | : III       |
| Classification Code                      | : C2        |
| Hazard Identification Number             | : 80        |
| Labels                                   | : 8         |
| <b>IMDG</b>                              |             |
| Packing group                            | : III       |
| Labels                                   | : 8         |
| EmS Code                                 | : F-A, S-B  |
| <b>IATA (Cargo)</b>                      |             |
| Packing instruction (cargo aircraft)     | : 864       |
| Packing instruction (LQ)                 | : Y845      |
| Packing group                            | : III       |
| Labels                                   | : Corrosive |
| <b>IATA (Passenger)</b>                  |             |
| Packing instruction (passenger aircraft) | : 860       |
| Packing instruction (LQ)                 | : Y845      |
| Packing group                            | : III       |
| Labels                                   | : Corrosive |

### 14.5 Environmental hazards

|                           |      |
|---------------------------|------|
| <b>ADN</b>                |      |
| Environmentally hazardous | : no |
| <b>ADR</b>                |      |
| Environmentally hazardous | : no |
| <b>RID</b>                |      |
| Environmentally hazardous | : no |
| <b>IMDG</b>               |      |
| Marine pollutant          | : no |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula- tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

Remarks : Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

|                                                                                                                                                         |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)              | : Not applicable |
| REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).                                                               | : Not applicable |
| REACH - List of substances subject to authorisation (Annex XIV)                                                                                         | : Not applicable |
| Regulation (EU) No 2024/590 on substances that deplete the ozone layer                                                                                  | : Not applicable |
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast)                                                                                     | : Not applicable |
| Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals                          | : Not applicable |
| Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. | Not applicable   |

#### The components of this product are reported in the following inventories:

|       |                  |
|-------|------------------|
| AICS  | : not determined |
| DSL   | : not determined |
| IECSC | : not determined |

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

Other information : Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

#### Full text of H-Statements

H290 : May be corrosive to metals.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula-tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

H318 : Causes serious eye damage.

### Full text of other abbreviations

Eye Dam. : Serious eye damage  
Met. Corr. : Corrosive to metals  
FOR-2011-12-06-1358 : Norway. Occupational Exposure limits  
FOR-2011-12-06-1358 / : Long term exposure limit  
TWA

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

### Classification of the mixture:

Eye Dam. 1 H318

### Classification procedure:

Calculation method



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Aluminum Chloride (with Bentonite) Formula- tion

|         |                |                |                                 |
|---------|----------------|----------------|---------------------------------|
| Version | Revision Date: | SDS Number:    | Date of last issue: 10.01.2025  |
| 5.0     | 14.04.2025     | 11498510-00005 | Date of first issue: 23.12.2024 |

---

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

NO / EN