



Version: 10.2022

## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### ALUM POWDER

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

Trade name: Alum Powder  
PEARL Potassium Alum  
CASNo.: 7784-24-9  
Utilization: Raw material for cosmetic industry.  
Supplier company identification: Ekokoza s.r.o.  
Fryčovice 297, 73945, Fryčovice  
IČ: 07508247, eshop@ekokoza.cz

International emergency number: +49 180 2273-112

#### 2. Hazards Identification

##### 2.1. Classification of the substance or mixture

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

Not classified

Additional information

Full text of precautionary measures is detailed in section 16.

##### 2.2. Label elements

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

Hazard Pictograms : No pictogram

Signal words : None

Hazard statements : None

Precautionary statements : None

Supplemental Hazard information (EU) : Not applicable

##### 2.3. Other hazards

No additional information available.

#### 3. Declaration of ingredients

##### 3.1. Substances

Potassium alum

CAS-No. : 7784-24-9

EC-No. : 233-141-3

No components need to be disclosed according to the applicable regulations

##### 3.2. Mixtures

Not applicable

#### 4. First aid measures

##### 4.1. Description of first aid measures

After eye contact : P305+351+338 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P313 Get medical advice/attention.

Ekokoza s.r.o.

Fryčovice 297, 73945, Fryčovice

IČ: 07508247, eshop@ekokoza.cz



Version: 10.2022

## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### ALUM POWDER

After skin contact : P302+352 Wash with plenty of water.

After inhalation : P304+340 Remove person to fresh air and keep comfortable for breathing.

After swallowing : P314 Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed Symptoms/  
effects : None known

4.3. Indication of any immediate medical attention and special treatment needed Treatment : None  
known

## 5. Fire fighting measures

### 5.1 Means of extinction

Do not use water to extinguish fire. Use foam fire extinguishers, with carbon dioxide or powder.

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

hazards arising from the chemical: It may produce toxic fumes of carbon monoxide if burning. P260 Do not breathe fumes.

### 5.3 Recommendations for fire-fighters Specific

methods of fire-fighting: P381 Eliminate all ignition sources if safe to do so.

Fight fire from the windward side with suitable extinguish media.

Evacuate all non-essential personnel from affected area.

Use water to cool fire-exposed containers and facilities.

Special protective equipment and precautions for fire-fighters: Wear fire  
protective equipment.

Avoid the contamination of the environment by fire-fighting wastewater.

## 6. Accidental release measures

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

Wear appropriate  
respiratory protection. Use personal protective clothing. Avoid contact with the skin, eyes and clothing. In case of large spills, evacuate area.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

### 6.2 Environmental precautions

Prevent  
product or liquids contaminated with product from entering sewers, drains, soil or open water course.

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

Sweep up and  
shovel. Keep in suitable, closed containers for disposal

### 6.4. Reference to other sections

For  
disposal see section 13.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Ekokoza s.r.o.

Fryčovice 297, 73945, Fryčovice

IČ: 07508247, eshop@ekokoza.cz



Version: 10.2022

## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### ALUM POWDER

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities Keep container

tightly closed in a dry and well-ventilated place. Storage class: Non Combustible Solids 7.3. Specific end use(s)

No additional information available.

## 8. Exposure controls / personal protection

### 8.1. Control parameters

Occupational Exposure limit values : No data available Control parameters : Not determined

### 8.2. Exposure controls

Engineering measures : Provide local exhaust ventilation in case it produces fume/gas/mist/vapours.

Protective measures : Handle in accordance with good industrial hygiene and safety practices.

Personal protection equipment : Provide an emergency eye/face wash fountain and quick drench shower in the immediate work area.

Respiratory protection : As appropriate to situation

Hands protection : Chemical resistant gloves

Eyes protection : Safety goggles

Body protection : Long sleeved work clothes

Hygiene measures : Wash your hands thoroughly after handling

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties a) Appearance

Form: solid b) Odour No data

available c) Odour Threshold No

data available d) pH 3.0 -3.5 e) Melting point/

freezing point

Melting point/range: 92 °C f) Initial

boiling point and boiling range No

data available g) Flash point Not applicable h) Evaporation rate No data

available i) Flammability (solid, gas)

No data available j) Upper/lower flammability

or explosive limits No data available k) Vapour pressure

No data available l) Vapour density No data available m) Relative density 1.757 g/

mL at 25 °C n) Water solubility No data

available o) Partition coefficient: octanol/

water No data available p) Auto-ignition

temperature No data available q) Decomposition

temperature No data available r) Viscosity No data available

Ekokoza s.r.o.

Fryčovice 297, 73945, Fryčovice

IČ: 07508247, eshop@ekokoza.cz



Version: 10.2022

**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**ALUM POWDER**

s) Explosive properties No data available t)

Oxidizing properties No data available

9.2. Other information No  
additional information available.

**10. Stability and reactivity**

Stable under normal conditions of use.

10.1. Reactivity No  
information available 10.2.

Chemical stability Stable  
under normal conditions

10.3. Possibility of hazardous reactions No  
information available 10.4.

Conditions to avoid Superheating

10.5. Incompatible  
materials Strong oxidizing agents,  
bases 10.6. Hazardous decomposition  
products Other decomposition products - No data  
available. In the event of a fire see section 5.

**11. Toxicological information**

11.1 Information on toxicological effects Acute  
toxicity No data  
available Inhalation:

No data available Dermal: No data  
available No data available Skin  
corrosion/irritation No

data available Serious eye  
damage/eye irritation

No data available Respiratory or skin  
sensitisation No data

available Germ cell mutagenicity No  
data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Ekokoza s.r.o.  
Fryčovice 297, 73945, Fryčovice  
IČ: 07508247, eshop@ekokoza.cz

**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**ALUM POWDER**

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available



## 12. Ecological information

### 12.1. Toxicity

Acute toxicity (Fish, Daphnia, Algae) : No data available Chronic

toxicity (Fish, Daphnia, Algae) : No data available 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 Not applicable

### 12.6. Endocrine

disrupting properties No data available 12.7.

Other adverse effects

No data available

## 13. Disposal considerations

### 13.1. Waste treatment methods Dispose

of contents/container in accordance with local/regional/national/international regulations.

## 14. Transport information

Compliant with the rules of ADR/RID land transport (not relevant to ADN Inland waterways), IATA air transport and IMDG-Code sea transport:

### 14.1. UN number or ID number

UN number ÿ Not applicable 14.2. UN

proper shipping name UN proper

shipping name : Not applicable 14.3. Transport

hazard class(es)

UN Model Regulations : Not applicable Land

transport (ADR/RID) ÿ Not applicable Inland waterways

(ADN) ÿ Not applicable Maritime transport (IMDG-

Code) : Not applicable Air transport (ICAO/IATA-DGR) : Not

applicable 14.4. Packing group

Ekokoza s.r.o.

Fryčovice 297, 73945, Fryčovice

IČ: 07508247, eshop@ekokoza.cz



Version: 10.2022

## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### ALUM POWDER

UN Model Regulations : Not applicable

Land transport (ADR/RID) : Not applicable

Inland waterways (ADN) : Not applicable

Maritime transport (IMDG-Code) : Not applicable

Air transport: ICAO/IATA-DGR : Not applicable

14.5. Environmental hazards

Environmental hazards : No data available

14.6. Special precautions for user

Before loading and transport, check the containers to prevent leakage and damages.

Transport, packaging and labels are compliant with regulations.

14.7. Maritime transport in bulk according to IMO instruments Not applicable [Japanese regulations]

Land transport : Compliant with Fire and Disaster Management Act and Industrial Safety and Health Act

Maritime transport : Compliant with Ship Safety Act

Air transport : Compliant with Civil Aeronautics Act

## 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture [EU regulations (

Authorisations and/or restrictions on use: None

Not classified as hazardous

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance.

## 16. Additional information

### 16.1 Abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - 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; INCI: International Nomenclature of Cosmetic Ingredients; 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 Cooperation 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; PNEC: Predicted No Effect Concentration; REACH - Regulation (EC) No

Ekokoza s.r.o.

Fryčovice 297, 73945, Fryčovice

IČ: 07508247, eshop@ekokoza.cz

**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**ALUM POWDER**

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; S - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TSCA: Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative.



16.2 Other information

None

Disclaimer: This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.