Material Safety Data Sheet
According to regulation (EC) No. 1907/2006 (REACH)

64100 Potash Alum

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Potash Alum
Article No.: 64100

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
- Chemical for different applications.
- Raw material for the chemical-pharmaceutical industry.
- Tanning agent

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG
Address: Hauptstr. 41-47, 88317 Aichstetten, Germany
Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606
Internet: www.kremer-pigmente.de
EMail: info@kremer-pigmente.de
Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to EC Regulation 1272/2008
This product does not require classification and labelling as hazardous according to CLP/GHS.

Classification according to EC Regulation No. 67/548 or No. 1999/45
The material is not subject to classification according to EC lists.

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to EC Regulation 1272/2008
This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation: Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:
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2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Potassium aluminium sulphate (dodecahydrate) 100 %. CAS 7784-24-9, EINECS 23-141-3

Hazardous Ingredients:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

After inhalation:

Supply fresh air and seek medical advice in case of complaints.

After skin contact:

Wash off immediately with plenty of soap and water and rinse thoroughly.

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes.

After ingestion:

Rinse mouth thoroughly with plenty of water and drink plenty of water. Consult a physician. Do not induce vomiting.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

No further information available.

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Use extinguishing media for surrounding fire.
Product itself does not burn.

Unsuitable extinguishing media:

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of sulfur oxides.
When heated or in case of fire: formation of hazard fumes.

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5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

Contaminated extinguishing water and debris should be disposed of according to local regulations.
Do not inhale explosion and fire gases.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Do not inhale dust. Avoid formation of dust.
Avoid contact with eyes and skin.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.
Use water spray when very dusty.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Take up mechanically and collect in suitable containers for disposal. Avoid dust formation.

6.4. Reference to other Sections

For information for safe handling see Section 7.
Protective clothing, see Section 8.
See Section 13 for information on disposal.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Provide adequate ventilation.
Avoid formation of dust. Do not inhale dust.

Hygienic measures:

Avoid contact with eyes and skin.
Take off contaminated clothing immediately.
Do not eat or drink during work. Do not smoke.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and cool room.

Requirements for storage areas and containers:

Water law provisions have to be met.

Information on fire and explosion protection:

Product is not combustible.
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Storage class (VCI):
10-13

Further Information:

7. 3. Specific End Use(s)

Further information:
No information available.

8. Exposure Controls/Personal Protection

8. 1. Parameters to be Controlled

Parameters to be controlled (DE):
TLV: 1.25 mg/m³ air-borne fraction (general dust limit)
TLV: 10 mg/m³ inhalable fraction (general dust limit)

Parameters to be controlled (EC):
Derived No-Effect Level (DNEL): No values available.
Predicted No-Effect Concentration (PNEC): No values available.

Additional Information:

8. 2. Exposure Controls

Technical protective measures:
Ensure adequate ventilation, especially in confined areas.

Personal Protection
General protective measures:
Do not inhale vapor/dust.
Avoid contact with eyes and skin.
Preventive skin protection by applying protective cream.
Remove contaminated clothing immediately.
Do not eat, drink or smoke during work.

Respiratory protection:
Required in case of insufficient ventilation (EN 143 or 149).
Recommended filter device for short term use: filter P1, color code white

Hand protection:
Protective gloves (EN 374)

Protective glove material:
Recommended: Protective index 6, > 480 min. of permeation time accord. EN 374.
Butyl rubber, nitrile rubber (NBR), natural rubber (NR), polyvinyl chloride (PVC)

Eye protection:
Safety glasses recommended when refilling (EN 166).

Body protection:
Environmental precautions:

Prevent contamination of open water ways and sewage system. Avoid contamination of ground water.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: crystalline
Color: white
Odor: odorless
Odor threshold: No information available.

pH-Value: 3 - 3.5 (100 g/l; 20°C)
Melting temperature: 90°C
Boiling temperature: > 400°C not applicable

Flash point: not applicable
Evaporation rate: not applicable
Flammability (solid, gas): not flammable
Upper explosion limit: no information available
Lower explosion limit: no information available
Vapor pressure: not applicable
Vapor density: No information available.
Density: not available
Solubility in water: ca. 105 g/l (20°C)
Coefficient of variation (n-Octanol/Water): no information available
Auto-ignition temperature: Product is not auto-ignitable.
Decomposition temperature: not determined
Viscosity, dynamic: not applicable
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Explosive properties:
- Product does not present an explosion hazard.

Oxidizing properties:
- not oxidizing

Bulk density:
- ca. 1000 kg/m³

9.2 Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:
- No further information.

10. Stability and Reactivity

10.1 Reactivity
- Stable if used according to specifications.

10.2 Chemical Stability
- Stable if used according to specifications.

10.3 Possibility of Hazardous Reactions
- Unknown.

10.4 Conditions to Avoid

Conditions to avoid:
- Avoid heat.
- Loss of water of crystallization when heated.

Thermal decomposition:
- No data available.

10.5 Incompatible Materials
- No information available.

10.6 Hazardous Decomposition Products
- Sulphur oxides (SOx).

10.7 Further Information

11. Toxicological Information

11.1 Information on Toxicological Effects

Acute Toxicity

LD₅₀, oral:
- No information available.

LD₅₀, dermal:
- No information available.

LC₅₀, inhalation:
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Primary effects

Irritant effect on skin: No irritant effect known.
Irritant effect on eyes: Slight irritant effect possible.
Inhalation: No information available.
Ingestion: No information available.
Sensitization: No sensitizing effects known.
Mutagenicity: No data available.
Reproductive toxicity: No data available.
Cancerogenity: No data available.
Teratogenecity: No information available.
Specific target organ toxicity (STOT): No data available.
Additional toxicological information: CMR Effects (carcinogenity, mutagenicity and toxicity for reproduction): none known based on currently available information.

12. Ecological Information

12.1 Aquatic Toxicity

No toxicity expected.

Fish toxicity:
Daphnia toxicity:
Bacteria toxicity:
Algae toxicity:

12.2 Persistency and Degradability

Methods for the evaluation of the biological degradability are not applicable for inorganic substances.

12.3 Bioaccumulation

No information available.

12.4 Mobility

No information available.
12. 5. Results of PBT- and vPvP Assessment

No data available.

12. 6. Other Adverse Effects

Water hazard class:

Do not let product contaminate ground water, waterways or sewage system.

Behaviour in sewage systems:

Further ecological effects:

There are no data available on the product itself.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations. Must not be disposed together with household garbage.

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations. Suggested cleaning agent: water. Detergent can be added if necessary.

Waste Code No.:

14. Transport Information

14. 1. UN Number

ADR, IMDG, IATA

14. 2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14. 3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel no.:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:
14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

None

14.6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14.8. Further Information

Not classified as a dangerous good under transport regulations.

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (self-assessment)

Local regulations on chemical accidents:

Does not underlie the Accident Ordinance.

Employment restrictions:

The employment restrictions for expectant and nursing mothers in accordance with the Maternity Protection Guideline (94/85/EEC) are to be observed.

Restriction and prohibition of application:

Technical instructions on air quality:

5.2.1. Total dust, including fine dust.

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

15.3. Further Information

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.