

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 20.09.2012

Version number 6

Revision: 20.09.2012

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

- *Date of issue:* 25.05.2004
 - *1.1 Product identifier*
 - **Trade name:** Alum Priming Salt
 - **Synonym(s):** Sulfuric acid, aluminum potassium salt (2:1:1), dodecahydrate
 - **CAS Number:**
7784-24-9
 - **EC number:**
233-141-3
 - *1.2 Relevant identified uses of the substance or mixture and uses advised against* No further relevant information available.
 - *Application of the substance / the preparation:*
 - Chemicals for various applications
 - Tanning agents
 - Raw material for the chemical-pharmaceutical industry
 - *1.3 Details of the supplier of the safety data sheet*
 - **Manufacturer / Supplier:**
Kreidezeit Naturfarben GmbH
Kassemuehle 3
D - 31196 Sehlem
Germany
- phone: +49-(0)5060-6080650
fax: +49-(0)5060-6080680

Informing department:

Quality management department
laboratory, phone: +49-(0)5060-6080650

1.4 Emergency telephone number:

Kreidezeit Naturfarben GmbH
phone: +49-(0)5060-6080650
(only during opening times)

SECTION 2: Hazards identification

- *2.1 Classification of the substance or mixture*
 - *Classification according to Regulation (EC) No 1272/2008* The substance is not classified according to the CLP regulation.
 - *Classification according to Directive 67/548/EEC or Directive 1999/45/EC* Void
- *2.2 Label elements*
 - *Labelling according to Regulation (EC) No 1272/2008* Void
 - *Hazard pictograms* Void
 - *Signal word* Void

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- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization: Substances**
- **CAS No. Designation:**
7784-24-9 Sulfuric acid, aluminum potassium salt (2:1:1), dodecahydrate
- **Identification number(s):**
- **EC number:** 233-141-3

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact:**
The product is not skin irritating.
Wash with soap and water.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Get medical advice for safety reasons.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Product does not burn - take extinguishing measures according to fire conditions.
- **For safety reasons unsuitable extinguishing agents** void
- **5.2 Special hazards arising from the substance or mixture**
Sulphur oxides (SO_x)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation.
Avoid causing dust.
Do not breathe dust.
Avoid contact with skin and eyes.
Keep people at a distance and stay on the windward side.
- **6.2 Environmental precautions:**
Damp down dust with water spray jet.
Do not allow to enter drainage system, surface or ground water.
Do not allow to enter the ground/soil.
- **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.

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- Collect mechanically.
- Send for recovery or disposal in suitable containers.
- Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
- See Section 8 for information on personal protection equipment.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of dust.
- Any deposit of dust which cannot be avoided must be removed regularly.
- Do not breathe dust.
- Make sure that all applicable workplace limits are observed.
- Avoid contact with eyes.
- Avoid prolonged or repeated skin contact.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
- Observe all local and national regulations for storage of water polluting products.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:** Observe all workplace limits for dust.
- **DNELs** no data available
- **PNECs** no data available
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
- Keep away from foodstuffs, beverages and food.
- Do not eat, drink or smoke while working.
- Avoid close or long term contact with the skin.
- Avoid contact with the eyes.
- Do not breathe dust.
- Be sure to clean skin thoroughly after work and before breaks.
- Use skin protection cream for preventive skin protection.
- **Breathing equipment:**
- Use breathing protection in case of dust formation.
- If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.
- **Recommended filter device for short term use:** Partikelfilter EN 143 Type P1
- **Protection of hands:**
- Protective gloves
- Check the permeability prior to each renewed use of the glove.
- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
- To avoid skin problems reduce the wearing of gloves to the required minimum.
- **Material of gloves**
- Butyl rubber - BR

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Nitrile rubber - NBR

Natural rubber - NR

PVC gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

Penetration time: ≥ 8 hours

Protective gloves should be replaced at first signs of wear.

- **Eye protection:** Safety glasses recommended during refilling.

- **Body protection:**

Light weight protective clothing

Body protection must be chosen depending on activity and possible exposure.

SECTION 9: Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form:	crystalline
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Colour:	white
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· Smell:	odourless
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· Odour threshold:	not applicable
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· pH-value (100 g/l) at 20°C:	3.0 - 3.5
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- **Change in condition**

Melting point/Melting range:	90°C
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Boiling point/Boiling range:	> 400°C
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Decomposition before reaching boiling point

· Flash point:	not applicable
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· Inflammability (solid, gaseous)	Product is not inflammable.
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· Ignition temperature:	not applicable
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· Decomposition temperature:	not determined
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· Self-inflammability:	Product is not selfigniting.
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· Danger of explosion:	Product is not explosive.
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- **Critical values for explosion:**

Oxidizing properties	not classified as oxidising
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· Vapor pressure:	no data available
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· Density:	not determined
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· Bulk density:	~1000 kg/m ³
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· Vapour density (AIR = 1):	not applicable
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· Evaporation rate	not applicable
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- **Solubility in / Miscibility with**

Water at 20°C:	~105 g/l
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· Organic solvents:	not determined
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· Partition coefficient (n-octanol/water):	no data available
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- **Viscosity:**

dynamic:	Not applicable.
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kinematic:	Not applicable.
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· **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
To avoid thermal decomposition do not overheat.
Loss of constitutional water on heating.
- **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:** Sulphur oxides (SO_x)

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Short time, reversible irritating effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**
The material is not subject to classification according to EC lists in the last version.
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
According to present knowledge no CMR-effects known.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **Chemical Oxygen Demand (COD-value):** no data available
- **Biochemical Oxygen Demand (BOD5-value):** no data available
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Water hazard class 1 (Assessment by list): slightly hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Disposal must be made according to official regulations.
- **Waste disposal key number:** According to local/national regulations.
- **European waste catalogue:** Waste disposal key numbers from EWC have to be assigned depending on origin and processing.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

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| · 14.1 UN-Number
· ADR, IMDG, IATA | Void |
| · 14.2 UN proper shipping name
· ADR, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es)
· ADR, IMDG, IATA
· Class | Void |
| · 14.4 Packing group
· ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards:
· Marine pollutant: | Not applicable.
NO |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | - |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Information about limitation of use:** Employment restrictions concerning pregnant and lactating women must be observed.
- **Decree to be applied in case of technical fault:** Directive 96/82/EC does not apply.
- **Water hazard class:**
Water hazard class 1 (Assessment by list): slightly hazardous for water
ID-Number: 510
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Reasons for changes:**
The Material Safety Data Sheet has been revised. Changes in the respective chapters are characterized in the left side edge by *.
- **Department issuing MSDS:**

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· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

· Sources: *These data are based on information submitted by pre-suppliers.*

· * Data compared to the previous version altered.

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