



Section 1. Product and Company Identification

Product Name Potassium Acetate
CAS Number 127-08-2

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Section 2. Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EU) 1272/2008(CLP): The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

Classification according to EU Directives 67/548/EEC or 1999/45/EC: Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

GHS Label Elements

Pictograms: N/A

Signal word: N/A

Hazard and precautionary statements

None

Section 3. Composition / Information on Ingredients

Common Name Potassium Acetate
Formula $C_2H_3KO_2$
CAS Number 127-08-2

Section 4. First Aid Measures

Inhalation: Move to fresh air. Keep patient warm and at rest. In case of feeling unwell consult a physician.

Skin contact: Rinse with water.

Eye contact: Rinse with plenty of water. If symptoms persist, call a physician.

Ingestion: Rinse mouth with water. Obtain medical attention.

Section 5. Firefighting Measures

Suitable extinguishing media: Water spray, Foam, Dry chemical, Carbon dioxide (CO₂)

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Splash proof protective suit.

Specific methods: The product is flammable but not readily ignited.

Section 6. Accidental Release Measures

Personal precautions: Use personal protective equipment. For personal protection see section 8.

Environmental precautions: Try to prevent the material from entering drains or water courses.

Methods for cleaning up: Take up mechanically and collect into suitable containers for disposal. After cleaning must be rinsed with plenty of water.

Section 7. Handling and Storage

Handling: Avoid contact with skin, eyes and clothing. Keep container closed when not in use.

Storage: Keep tightly closed in a dry and cool place. Store in original container.

Section 8. Exposure Controls / Personal Protection

Exposure Limit Values

Occupational Exposure Controls: Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection: Respirator must be worn if exposed to dust.

Hand protection

Glove material: PVC

Glove material: Rubber gloves

Eye protection: Tightly fitting safety goggles.

Skin and body protection: Work clothing.

Section 9. Physical and Chemical Properties

Physical state: solid, powder, granules

Color: White

Odor: Odorless

pH: 7 - 8 (10 g/l)

Flash point: > 250°C

Dust explosion description number Kst: 4.3 m.b/s

Minimum Ignition Energy: 100J

Explosive properties

Lower explosion limit: No data available

Upper explosion limit: No data available

Density: 1.570 kg/m³

Density: 600 - 680 kg/m³ loose

Solubility(ies)

Water solubility: 2.167 kg/m³ (0°C) 2.694 kg/m³ (25°C)

Melting point/range: 292°C

Section 10. Stability and Reactivity

Conditions to avoid: Stable under normal conditions. The product is very hygroscopic.

Section 11. Toxicological Information

Acute toxicity

LD50/Oral/rat: 3.530 mg/kg

Irritation and corrosion

Skin: Not classified as irritating for skin.

Eyes: Not classified as irritating for eyes.

Sensitization: no data available

Long term toxicity

Other information: No data available

Human experience

Inhalation: Exposure to dust at high concentrations. May cause irritation of the mucous membranes. May cause irritation of respiratory tract.

Skin contact: Repeated or prolonged exposure: May cause mild irritation.

Eye contact: May cause mild irritation.

Section 12. Ecological Information

Ecotoxicity effects Aquatic toxicity: no data available

Toxicity to other organisms: no data available



Mobility

Water solubility (0°C): 2.167 kg/m³

Water solubility (25°C): 2.694 kg/m³

Water soluble. Stays in water phase. non-volatile

Persistence and degradability Biological degradability: Readily biodegradable

Bioaccumulative potential: No data available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Land transport: Not classified as dangerous in the meaning of transport regulations.

Sea transport: Not classified as dangerous in the meaning of transport regulations.

Air transport: Not classified as dangerous in the meaning of transport regulations.

Section 15. Regulatory Information

Information on the warning label Symbol(s): In accordance with EC directives or respective national laws, the product does not need to be classified nor labelled.

Water contaminating class (Germany): WGK 1 slightly water endangering

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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