

## Rexar Technical Compound Datasheet

**Product Name:** Potassium Aluminum Sulfate Dodecahydrate

**Chemical Name:** Potassium aluminum sulfate dodecahydrate

**CAS Number:** 7784-24-9

**PubChem CID:** 62667

### Synonyms:

- Potassium alum
  - Potash alum
  - Alum
  - Aluminum potassium sulfate dodecahydrate
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### Chemical Information

**Molecular Formula:**  $KAl(SO_4)_2 \cdot 12H_2O$

**Molecular Weight:** 474.39 g/mol

**IUPAC Name:** Potassium aluminum sulfate dodecahydrate

**SMILES:** O.O.O.O.O.O.O.O.O.O.O.O.O.O.[K+].[Al+3].[O-]S(=O)(=O)[O-].[O-]S(=O)(=O)[O-]

**InChIKey:** XZXWIXJYJXGJQY-UHFFFAOYSA-L

**Appearance:** Colorless to white crystalline solid

**Solubility:** Soluble in water

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### Applications

- Reference material for analytical chemistry workflows
  - Laboratory reagent and technical chemical applications
  - Calibration and quality control procedures
  - Educational and research laboratory use
  - Method development and validation
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### Storage & Handling

**Storage Temperature:** 15–25 °C

**Environment:** Dry, cool, and protected from moisture

**Handling:** Use standard laboratory safety procedures

**Packaging:** Delivered in sealed containers for laboratory use only

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### Additional Notes

- Offered exclusively as an analytical chemical for laboratory purposes
- No health, nutritional, medical, or consumer claims are associated with this product
- For detailed chemical data, visit: **PubChem CID 62667**