

Ammonium Sulfate

diammonium sulfate | CAS 7783-20-2

Product identification

Product name	Ammonium Sulfate
Chemical name	Diammonium sulfate / ammonium sulphate
CAS number	7783-20-2
EC number	231-984-1
PubChem CID	6097028
Molecular formula	(NH ₄) ₂ SO ₄
Molecular weight	132.14 g/mol
InChIKey	BFNBHQBVMNNAN-UHFFFAOYSA-N
SMILES	[NH4+].[NH4+].[O-]S(=O)(=O)[O-]
Material type	Analytical chemical / laboratory reagent

Material description

Ammonium Sulfate is an inorganic ammonium salt supplied by Rexar as an analytical chemical for laboratory and technical applications. It is typically a white, odourless crystalline solid and is highly soluble in water.

Intended use

For laboratory, analytical, chemical, reagent-preparation, quality-control and research applications. Not for human or animal consumption. Not intended for food, supplement, cosmetic, medical, diagnostic or therapeutic use.

Reference characteristics

Structural class	Inorganic ammonium sulfate salt
Typical physical form	White crystalline solid / granules
Water solubility	Highly soluble
Thermal behaviour	Decomposes on heating; no normal boiling point
Storage guidance	Keep tightly closed and dry. Store away from incompatible oxidising materials and excessive heat.

Analytical use and traceability

The supplied grade is specified as 99+% p.a. Lot-specific assay, impurities, water content and analytical acceptance criteria must be taken from the applicable supplier documentation or certificate of analysis.

Safety note

Public regulatory and safety sources do not support assigning a harmonised CLP hazard classification solely from the substance identity. Dust may cause mild mechanical irritation. Heating can release ammonia and sulfur/nitrogen oxides. Use the applicable supplier SDS for the exact grade and batch.

Identity verification note

Identity verified against PubChem CID 6097028 and ECHA substance information: CAS 7783-20-2, EC 231-984-1, formula (NH₄)₂SO₄, molecular weight 132.14 g/mol and InChIKey BFNBIHQBYMNNAN-UHFFFAOYSA-N.

Document control

Document	Rexar Technical Compound Datasheet
Revision	10 September 2026
Status	Reference information; not a certificate of analysis

Disclaimer

This document is provided for chemical identification and laboratory reference purposes. It does not certify batch purity or replace lot-specific analytical documentation. Users remain responsible for suitability, regulatory status and safe handling.