

Safety Data Sheet

Ammonium Sulfate

Analytical chemical / laboratory reagent

SECTION 1: Identification of the substance and of the company

Product identifier	Ammonium Sulfate
Chemical name	Diammonium sulfate / ammonium sulphate
CAS number	7783-20-2
EC number	231-984-1
Relevant identified uses	Laboratory reagent; analytical and technical applications
Uses advised against	Human/animal consumption; food, supplement, cosmetic, medical, diagnostic or therapeutic use
Supplier	Rexar, Genestetstraat 3, 2394 XK Hazerswoude-Rijndijk, Netherlands
Contact	info@rexar.nl www.rexar.nl

SECTION 2: Hazards identification

Classification: No harmonised CLP classification is assigned here from identity alone; consult the applicable supplier SDS for the supplied 99+% p.a. grade.

General hazards: Dust may cause mild eye, skin or respiratory irritation. Heating/decomposition may release ammonia and sulfur/nitrogen oxides.

Precautions: Avoid dust formation and unnecessary contact. Use suitable laboratory eye protection and gloves.

SECTION 3: Composition / information on ingredients

Substance	Ammonium sulfate
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
Grade	99+% p.a. (commercial specification; confirm lot documentation)

SECTION 4: First-aid measures

Inhalation: Move to fresh air. Seek medical advice if irritation persists.

Skin: Wash with soap and water.

Eyes: Rinse cautiously with water for several minutes; remove contact lenses if easy to do. Seek advice if symptoms persist.

Ingestion: Rinse mouth. Seek medical advice if unwell or if a significant quantity has been swallowed.

SECTION 5: Fire-fighting measures

Not normally combustible. Use extinguishing media appropriate to the surrounding fire. Heating or decomposition may release ammonia, sulfur oxides and nitrogen oxides. Fire-fighters should use suitable protective equipment.

SECTION 6: Accidental release measures

Avoid dust formation and inhalation. Ventilate the area. Wear suitable gloves and eye protection. Collect mechanically into a suitable labelled container and avoid uncontrolled release to drains or surface water.

SECTION 7: Handling and storage

Handle using good laboratory practice. Avoid generating or breathing dust. Keep container tightly closed and dry. Store away from strong oxidising materials and excessive heat.

SECTION 8: Exposure controls / personal protection

Use adequate ventilation. Wear laboratory gloves, protective clothing and safety glasses/goggles. Where significant dust may be generated and cannot otherwise be controlled, use appropriate particulate respiratory protection.

SECTION 9: Physical and chemical properties

Appearance	White crystalline solid / granules
Odour	Odourless
Molecular formula	(NH ₄) ₂ SO ₄
Molecular weight	132.14 g/mol
Water solubility	Highly soluble
Thermal behaviour	Decomposes on heating; decomposition begins before a normal boiling point is reached
Flammability	Not normally flammable

SECTION 10: Stability and reactivity

Stable under recommended storage conditions. Avoid excessive heat and incompatible oxidising materials. Thermal decomposition can release ammonia and sulfur/nitrogen oxides.

SECTION 11: Toxicological information

Available public data indicate relatively low acute toxicity; reported oral LD₅₀ values in rats are in the gram-per-kilogram range. Dust may cause mild irritation of eyes, skin or respiratory tract. Refer to the current supplier SDS for the exact grade.

SECTION 12: Ecological information

Avoid unnecessary environmental release. Substance-specific ecological effects depend on concentration and receiving environment. Refer to current supplier/regulatory documentation for detailed ecotoxicological data.

SECTION 13: Disposal considerations

Dispose of unused material and contaminated packaging through an appropriate chemical-waste route in accordance with applicable local requirements. Avoid uncontrolled discharge.

SECTION 14: Transport information

Verify transport status against the exact supplied grade, quantity and current carrier requirements. This document does not assign a dangerous-goods transport classification without lot- and route-specific confirmation.

SECTION 15: Regulatory information

ECHA identifies ammonium sulphate under CAS 7783-20-2 and EC 231-984-1 and lists it as a REACH-registered substance. Product-specific obligations depend on grade, quantity, jurisdiction and use.

SECTION 16: Other information

Revision date: 10 September 2026.

Identity references: PubChem CID 6097028; ECHA substance information for CAS 7783-20-2.

This SDS is a general laboratory safety reference and is not a certificate of analysis.