



Specialized in chemicals

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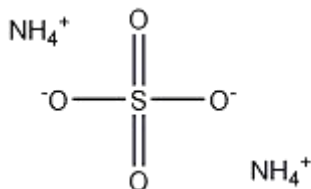
Technical Data Sheet

Ammonium Sulfate

Product Information

Chemical Name	Ammonium Sulfate
CAS #	7783-20-2
Formula	(NH ₄) ₂ SO ₄
Molecular Weight	132.14
Synonyms	Ammonium Sulfate

Structural formula:



Physical Properties

Appearance:

White crystalline powder or crystal

Molecular Weight:

132.13

Density:

Relative density D-20 1.769, decomposed in 235 °C

Boiling Point:

330 °C at 760 mmHg

Melting Point:

280°C

Flash Point:

330 °C at 760 mmHg

Storage Temperature:

2-8°C

Refractive index:

n₂₀/D 1.396

Solubility:

77 g/100 mL (25 °C) in water

Stability:

Stable. Contact with strong oxidizers may cause fire or explosion. Incompatible with strong bases.

Specification

Items	Unit	Caprolactam Grade	Steel Grade	Steel Grade
Appearance	--	Achromatous Crystal	White or off-white powder	White or off-white powder
Size	mm	2-4;0-2	0-1	2-5
Nitrogen Content	%min	21.0	20.5	20.5
Purity	%min	99	96.5	96.5
Sulfur	%min	24	23.4	23.4
Moisture	%max	0.2	1.0	1.5
Free Acid	%max	0.3	0.2	0.2
Hardness	Nmin			20

Applications

It is used in biochemical, textile, leather making, medicine and food industry; produce compound fertilizers or directly as fertilizer in agricultural industry.

Packaging

20/25/50Kg plastic woven bag with lining or 500kg /1000kg /1100kg/1200kg Jumbo bag. Pallet or shrinkwrap on buyer's demand,20-27MT/20'FCL

Storage & Handling

Kept in dry and ventilating place, avoid moisture, water, rain and fire, normal transportation.

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