



TECHNICAL DATA SHEET

Ammonium Sulfate

Formula: $(\text{NH}_4)_2\text{SO}_4$

Molecular Weight: 132.14

CAS Registry Number: 7783-20-2

Description — Ammonium sulfate is a white crystalline solid available in granular, coarse or standard forms. It is soluble in water.

Applications — Ammonium sulfate is used in a variety of applications including fertilizer, cattle feed, cellulose insulation, leather tanning, and herbicides.

Typical Analysis – Ammonium Sulfate			
Product Specifications	Granular	Coarse	Standard
Assay, %N (dry basis), minimum	21	21	21
Water, % maximum	0.5	0.5	0.5
Acidity, % (5% solution)	0.1	0.1	0.1
Approx. density, lbs/cu. ft.	61	61	61
Sulfur as S, % minimum	24	24	24

Typical Sieve Analysis							
U.S. Mesh	Tyler Mesh	Granular % Retained		Coarse % Retained		Standard % Retained	
		Mesh	Cumulative	Mesh	Cumulative	Mesh	Cumulative
8	8	8	22				
10	9	10	28				
12	10	12	23	12	2		
14	12	14	18	14	2		
16	14	16	8	20	73		
18	16	18	1	25	17		
20	20	20	0	30	5	20	1
30	28	30	0	PAN	2	30	8
40	35	PAN				40	54
50	48					50	25
70	65					70	11
100	100					100	1
PAN	PAN					PAN	0

Safety — Ammonium sulfate is moderately irritating to the eyes and mildly irritating to the skin. Always refer to the Safety Data Sheet (SDS) for detailed information on safety.

Packaging — Material is shipped as bulk and bagged.

Storage & Handling — Ammonium sulfate has an almost unlimited shelf life when properly stored in a protected storage area. Storage must avoid excessive heat. Above 282°C, ammonium sulfate will begin to decompose and release ammonia and sulfur trioxide. Many metals, such as iron and zinc, are attacked by ammonium sulfate in the presence of moisture; but aluminum, 18/10 CrNi steel, and A.I.S.I. 321 are not. Materials that are resistant to Ammonium Sulfate solutions are 18/10/2 CrNiMo steel, A.I.S.I. 316/Ti and polyesters. Always refer to the Safety Data Sheet (SDS) for detailed information on handling and disposal.

IMPORTANT: While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET SIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by NeuAG, LLC hereunder are given gratis and NeuAG, LLC assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.