

50% AMMONIUM NITRATE SOLUTION

Description

50% Ammonium Nitrate (AN) Solution consists of pure ammonium nitrate and water.

Uses

- Ammonium Nitrate Solution is typically used as a catalyst in explosives, rocket propellants, pyrotechnics, fertilizers, herbicides, insecticides & antibiotics.



Handling and Storage

Ammonium Nitrate Solutions should be stored in stainless steel or other corrosion resistant vessels. Pipe lines and fittings should be of similar materials. These solutions must be stored above their salting-out temperatures. Heating coils or heat exchangers must be installed with storage vessels where ambient temperatures below salting-out temperatures are expected for long durations. Always conduct a jar test with new tank mixes to verify compatibility.

Shipping

50% Ammonium Nitrate Solution is classified as a non-hazardous material by the US Department of Transportation. Shipments are made by rail or tank trucks.

Availability

50% Ammonium Nitrate Solution is available for shipment via:

- Bulk Tanker
- 275 Gallon IBC: 2,750 lbs.

Chemical & Physical Properties

CAS Number	6484-52-2
Molecular Weight	80.043 g/mol
Specific Gravity @ 60°F (15.5°C)	1.232
pH	5.0 – 7.0
Salt-Out Temperature	23°F (10.5°C)
Color	Clear
Odor	Little to no detectable odor
Weight per Gallon @ 60°F (15.5°C)	10.27 lbs/gal (1.29 kg/L)
Gallons per Ton	194.7

Typical Analysis

Total Nitrogen	17.5%
Ammonium Nitrate	50%
Free Ammonia	< 0.02%
Water (Approx)	50%

The data presented herein are believed to be accurate but are in no way guaranteed. TradeMark Nitrogen Corp. makes no warranties, express or implied, that any of the above data is fit for any particular use and expressly disclaims all oral warranties of any kind.

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TradeMark Nitrogen Corp.

1216 Old Hopewell Road
Tampa, Florida 33619 USA
www.trademarknitrogen.com
800 452 3107
813 626 1181