

TECHNICAL BULLETIN



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AMMONIA AQUEOUS (25, 23, 21 AND 15%)

DESCRIPTION

Ammonia Solution 10-35% (Ammonium Hydroxide Solution, Liquid Ammonia, Aqua ammonia)

Strength : Available as 15, 21, 23, 25% w/w NH₃

Appearance: Water clear liquid with pungent odour

PHYSICAL DESCRIPTION/ PROPERTIES

Ammonia Conc, % NH ₃ m/m	25	23	21	15
Ammonia Conc, NH ₃ g/L at 15.5C	228	211	194	141
Boiling Point (°C):	36.1	40.6	45.5	58.7
Melting Point (°C):	-57.5	-48.2	-40.3	-22.6
SG at 15.5C	0.9106	0.9166	0.9230	0.9425
Heat of Solution, Joules/g	741	750.5	760	782.5
Vapour Pressure at 55C, kPa	202.8	173	148	90
Vapour Pressure at 50C, kPa	170.7	145	124	74.6
Vapour Pressure at 15.5C, kPa	42.9	33.4	29.4	16.2
Flammability Limits (%): LEL - 16%; UEL - 27 %				
Solubility in Water (g/L): Completely miscible				

DANGEROUS GOODS INFORMATION

UN Number: 2672

Hazchem Code: 2P

Dangerous Goods Shipping Name: Ammonia Solutions

Class: 8

Poisons Schedule: 6

CAUTION

Always read carefully the label on the Ammonia and the Material Safety Data Sheet for safe handling.

PACKAGING

20 litre (18kg) & 192 litre (175kg) (steel Drum or plastic mauser), 1000L Bulki

IMPORTANT NOTICE TO CUSTOMER

Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. ALWAYS TEST FIRST.