



TECHNICAL DATA SHEET

AMMONIA SOLUTION AR 25%

Ammonium Hydroxide

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|-------------|-----------|-------------------|-----------------|
| Article No. | 301592500 | Molecular Formula | NH ₃ |
| H.S. Code | 2814.2000 | Molecular Weight | 35.05 |
| CAS No. | 1336-21-6 | | |

Physical Properties

| | |
|--------------------------------|-------------------|
| Physical state at 20 °C | Liquid |
| Colour | Clear Colorless |
| Odour | Ammonical odour |
| pH value | 11.7 |
| Melting point [°C] | -60 °C |
| Auto-ignition temperature [°C] | 651°C |
| Boiling point [°C] | 38 - 100 °C |
| Initial boiling point [°C] | 38°C |
| Final boiling point [°C] | 100 °C |
| Vapour pressure [20°C] | 153 hPa at 20 °C |
| Vapour density | 1.21 |
| Density [g/cm ³] | 0.9 |
| Solubility in water [% weight] | Miscible in water |
| Explosion limits - upper [%] | 27% |
| Explosion limits -lower [%] | 16% |

Specifications

Assay % Min 25
Carbonate (as CO₂) % Max 0.002
Phosphate (PO₄) % Max 0.0002
Chloride (Cl) % Max 0.00005
Sulfate (SO₄) % Max 0.0003
Non volatile matter % Max 0.003
Calcium (Ca) % Max 0.0005
Potassium (K) % Max 0.0001
Sodium (Na) % Max 0.0005
Magnesium (Mg) % Max 0.00005
Iron (Fe) % Max 0.00005

Copper (Cu) % Max 0.00001
Zinc (Zn) % Max 0.00001

Safety Information and Hazard Symbols



| | |
|----------------------|---|
| Symbol | GHS05, GHS09 |
| Signal Word | Danger |
| UN No | 2672 |
| IMCO Class No. | 8 |
| Hazardous Statement | H400-H314-H335 |
| Precaution Statement | P271-P280- P301+P330+P331-P304+P340-P305+ P351+P338- P310-P403+P233-P501 |
| Risk Statement | 34-50 |
| Safety Statement | 26-36/37/39-45-61 |
| Packing Group | III |