

Technical Data Sheet

Product Name: AMMONIA 21%-25% solution

Alternate Name(s) Ammonia Hydroxide; aqua ammonia; ammonium hydrate.

Description

A clear liquid with a pungent, suffocating, odour. Extremely dangerous to the eyes.

Properties

Chemical Formula: NH₄OH

Molecular Weight: 35.05

General Information:

Corrosive to Cu, Ni, Zn & Sn and their alloys such as brass.

Product Code: AA007

CAS No. 1336-21-6

Quality Specification

Ammonia : 21% - 25% min.

Specific Properties and Impurities [Typical levels]:

Density	0.91 g/ml
Carbonate (CO ₂)	≤ 0.002%
Phosphate (PO ₄)	≤ 0.0002%
Chloride (Cl)	≤ 0.00005%
Sulphate (SO ₄)	≤ 0.0003%
Non-volatile matter	≤ 0.003%
Calcium (Ca)	≤ 0.0005%
Potassium (K)	≤ 0.0001%
Sodium (Na)	≤ 0.0005%
Magnesium (Mg)	≤ 0.00005%
Iron (Fe)	≤ 0.00005%
Copper (Cu)	≤ 0.00001%
Zinc (Zn)	≤ 0.00001%

Hazard and Safety Data

UN Group:	III
Class:	8
UN Number:	2672
Hazchem code:	2R
CS MSDS Code:	1CH0U
Poison schedule:	S6
Emergency Procedure Guide No.:	37

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