



# AQUA-CAT™ AMMONIA

## PRODUCT BULLETIN

**CAS NUMBER:** 1336-21-6

**CHEMICAL FORMULA:** Aqueous solution of ammonia. (NH<sub>3</sub> in water)

**DESCRIPTION:** Clear, colorless liquid with a pungent odor.

**NSF CERTIFICATION:** Aqua ammonia manufactured at Lake Charles, LA is NSF-60 certified. Maximum use in potable water is 10 mg/l.

### CHEMICAL AND PHYSICAL PROPERTIES:

Percent by weight on product basis unless indicated otherwise.

	19%	25%	**29%
*NH <sub>3</sub> in water, wt%	18.94 min	25.11 min	28.92 min
Specific Gravity @ 25°C	0.926	0.906	0.892
Heavy Metals, as Pb, ppm	0.5 max	0.5 max	0.5 max
Iron, as Fe, ppm	0.2 max	0.2 max	0.2 max
Chloride, as Cl, ppm	0.5 max	0.5 max	0.5 max
Sodium, as Na, ppm	2.0 max	2.0 max	2.0 max
Phosphate, as PO <sub>4</sub> , ppm	2.0 max	2.0 max	2.0 max
Total Sulfur, as SO <sub>4</sub> , ppm	2.0 max	2.0 max	2.0 max
Carbon Dioxide, as CO <sub>2</sub> , wt%	0.002 max	0.002 max	0.002 max
Residue after Ignition, wt%	0.002 max	0.002 max	0.002 max

\*Normal Certificate of Analysis Properties

\*\* AQUA-CAT™ 29% meets or exceeds all requirements for Reagent Grade Aqueous Ammonia and the Commercial Item Description for Ammonium Hydroxide Technical Grade (A-A-59370).

**PACKAGING:** 6500+ gallon stainless-steel tank trucks and lined railcars.

### HANDLING & STORAGE:

Materials of Construction:

Storage tanks – 304/316/347 Stainless Steel

Pumps – 304/316/347 Stainless Steel

Piping – 304/316/347 Stainless Steel

(over)

Storage Temperature – Keep storage containers cool and out of direct sunlight, if possible; freeze protection is not an issue. Avoid heating and storing in confined spaces. Avoid contact with copper bearing alloy equipment. Avoid storing in close proximity to strong acids and oxidizers. Provide for scrubber controlled venting of bulk storage tanks.

**SAFETY:**

Should be handled in open or well ventilated areas. Eye and skin contact is prevented through the use of safety glasses, goggles, face shield, protective clothing, and gloves. Contact with aqua ammonia solution should be removed with copious amounts of water. Avoid inhalation of vapors. Do not use this product until the MSDS has been read, understood, and required safety precautions are followed.

**SHIPPING POINTS:**

Augusta, Georgia; Baton Rouge, Louisiana; Lake Charles, Louisiana; and Pasadena, Texas

**DOT MARKINGS:**

Ammonia Solution or Ammonium Hydroxide, with more than 10% but not more than 35% as ammonia, 8, UN2672, PG III, RQ (Aqua Ammonia, 1000 lbs/454 kg), Placarded Corrosive

**SALES OFFICE**

For Product Information:

TEL: 662-494-3055

FAX: 662-494-2828

Post Office Drawer 1217

West Point, MS 39773

To Place an Order:

TEL: 800-953-3585

FAX: 800-953-3588

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IMPORTANT

The information on this Product Bulletin is believed to be accurate but is not warranted to be so. Protective equipment, health effects, and other related safety measures are based on intended and anticipated product use. Recipients are advised to confirm in advance of need that the information is applicable and suitable to their circumstances.