

Aqua Ammonia 19%



columbia
river
nitrogen llc

Ammonium Hydroxide

Product Description –

Columbia River Nitrogen's Aqua Ammonia is a clear, colorless liquid with a strong ammonia odor. Our Aqua Ammonia is a high purity solution produced using ammonia and water from our reverse osmosis system and/or clean plant steam condensate. This product is certified NSF/ANSI/CAN Standard 60 for Drinking Water Treatment Chemicals, with a maximum use level (MUL) of 10mg/L.

Properties

SDS#1130

Total Ammonia, typical (% wt.)	19
Total Ammonia, minimum (% wt.)	18.5
Chloride (mg/kg)	≤1
Sodium (mg/kg)	≤1
Phosphate (mg/kg)	≤1
Sulfate (mg/kg)	≤1
Heavy Metals (mg/kg)	≤1
Specific Gravity @ 60°F	0.929
Density @ 60°F (lbs/gallon)	7.74
Boiling Temperature (°F)	120°

Applications & Uses

Source of Ammonia - Aqua Ammonia can be injected as a liquid into various process streams and quickly vaporized with the addition of heat into water vapor and gaseous ammonia.

Emission Control - This product is used in stack emission control systems to neutralize sulfur oxides from combustion of sulfur containing fuels and as a method of NOx control in both catalytic and non-catalytic applications.

Industry and Manufacturing - It is also used as a nutrient for waste disposal systems, wood treating and as a base to neutralize acidic conditions in various chemical processes.

Storage & Handling

Aqua Ammonia is a preferred source of ammonia for users who want to avoid storage of compressed gas. As a diluted liquid, aqua ammonia is less hazardous due to its significantly lower vapor pressure.

Do not use copper, brass, bronze or galvanized steel in aqua ammonia service.

A spill of 1,000 pounds or more is a reportable quantity (RQ) pursuant to CERCLA Section 311 of the Clean Water Act.

For more information, see the safety data sheet.

For detailed specifications, safety data sheets, or application guidance please contact us at: columbiarivernitrogen.com

This document contains proprietary information. All specifications subject to change without notice. Always consult current Safety Data Sheet