



Cylinder Gas high purity China best price Factory Nh3 Ammonia Gas

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Nh3
- Minimum Order Quantity: 1kg
- Price: US \$ 1/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 20000 Tons/Year



Product Specification

- Product Name: Ammonia Gas
- Melting Point: -77.7 °C
- Appearance: Colorless, Strong Pungent Odor
- Boiling Point: -33.5 °C
- Cylinder Pressure: 3MPa/15MPa/20MPa
- Valve: Qf-10/Diss720
- Cylinder Standard: DOT/ISO/GB
- Transport Package: 800L, 100L
- Specification: 800L, 100L
- Trademark: CMC
- Origin: China
- HS Code: 28141000
- Supply Ability: 20000 Tons/Year
- CAS No.: 7664-41-7
- Formula: Nh3



More Images



Product Description

Product Description

NH₃ refers to ammonia, which is a compound consisting of one nitrogen atom bonded to three hydrogen atoms. Here are some key points about NH₃:

Chemical Formula: NH₃

Molecular Weight: 17.03 g/mol

Structure: NH₃ has a trigonal pyramidal molecular geometry, where the nitrogen atom occupies the center, and the three hydrogen atoms are arranged around it.

Physical Properties: Ammonia is a colorless gas with a pungent odor. It has a boiling point of -33.34°C (-28.012°F) and a melting point of -77.73°C (-107.914°F). It is highly soluble in water, and its aqueous solution is commonly called ammonia water or ammonium hydroxide.

Production: Ammonia is primarily produced through the Haber-Bosch process, which involves the reaction of nitrogen gas (N₂) and hydrogen gas (H₂) in the presence of a catalyst at high pressure and temperature.

Uses: Ammonia has various applications in different industries. It is widely used as a fertilizer in agriculture due to its high nitrogen content, which is essential for plant growth. It is also used as a refrigerant in industrial and commercial applications. Ammonia is an important precursor for the production of various chemicals, including nitrogen-based fertilizers, explosives, polymers, and cleaning agents.

Basicity and Reactivity: Ammonia is a weak base and readily donates a lone pair of electrons. It can react with acids to form ammonium salts. It also participates in various chemical reactions, including redox reactions, acid-base reactions, and complex formation.

Toxicity: Ammonia is toxic and can cause irritation to the respiratory system, eyes, and skin. High concentrations of ammonia vapor can be dangerous and can lead to severe respiratory distress. Proper precautions, such as ventilation and personal protective equipment, should be taken when handling or working with ammonia.

Environmental Impact: Ammonia can have environmental implications. When released into water bodies, it can contribute to eutrophication, which is an excessive growth of algae and depletion of oxygen levels, potentially harming aquatic ecosystems.

Safety Considerations: Ammonia is flammable at high concentrations in air (16-25% by volume). It forms explosive mixtures with air when ignited. Therefore, proper storage, handling, and disposal practices should be followed to ensure safety.

Basic Info

Transport Package:	800L, 100L	Melting Point	-77.7 °C
Trademark:	CMC	Boiling Point	-33.5 °C
Specification	99.80%	Production Capacity	20000 Tons/Year
Cylinder Pressure	3MPa/15MPa/20MPa	Valve	Qf-10

Specification

Specification	Company Standard
NH ₃	≥ 99.8%
Residue	< 0.2%

Detailed Photo







Packaging & Shipping

Company Profile



Shanghai Kemike Chemical Co., Ltd is staffed by trained personnel, combine many years experience in Gas industry .We supply cylinder gas, electronic gas, etc ., and the gas holder, panel, valves and fittings and other equipment, parts and engineering services to our customers in China and worldwide; The products are involved in various industrial fields, such as semiconductor chip, solar cell, LED, TFT-LCD, optical fiber, glass, laser, medicine , etc.,. Our mission is to partner with our global customers to provide support, solutions and quality products that are innovative, reliable, and safe.

Our products mainly include: H₂, O₂, N₂, Ar, CO₂, propane, acetylene, helium, laser mixed gas, SiH₄, SiH₂Cl₂, SiHCl₃, SiCl₄, NH₃, CF₄, NF₃, SF₆, HCL, N₂O, doping mixed gas (TMB, PH₃, B₂H₆) and other electronic gases.

SiCl ₄	NH ₃	NH ₃	CH ₃ F	SiH ₄	Kr	H ₂ S	WF ₆	F ₆ +Cl ₂
4MS	C ₃ F ₈	C ₃ F ₈	TEOS	CH ₄	PH ₃	SF ₆	C ₂	HCl+Ne
CF ₄	C ₄ F ₈	SiH ₂						TMB+H ₂
SiF ₄	C ₃ H ₈	Cl ₂						He +As
BBr ₃	C ₃ H ₆	DCE						Ge+Se
POCl ₃	N ₂	SO ₂						D+B
BCl ₃	D ₂	CO ₂						CO+NO
SiHCl ₃	CH ₂ F ₂	HF						Ar+O ₂
TMAI	DMZn	DEZn						Xe+NO
AsH ₃	C ₂ H ₄	C ₂ H ₂						
GeH ₄	C ₂ H ₆	B ₂ H ₆						



 Shanghai Kemike Chemical Co.,Ltd

 +86 18762990415

 williamchen@cmc-chemical.com

 gascylindertank.com