



Cylinder Gas China Factory High Purity Best Price OEM Nh3 Ammonia

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



Ammonia. NH₃



Product Description

Product Description

NH₃ refers to ammonia, which is a chemical compound composed 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, with the nitrogen atom at the center and three hydrogen atoms surrounding 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 known as 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 temperature and pressure.

Uses: Ammonia has numerous industrial and commercial applications. It is widely used as a fertilizer in agriculture due to its high nitrogen content. It is also utilized in the production of various chemicals, such as nitric acid, urea, and ammonium nitrate. Additionally, ammonia is employed as a refrigerant, a cleaning agent, and in the manufacturing of certain plastics, fibers, and pharmaceuticals.

Basicity and Reactions: Ammonia acts as a weak base, readily accepting a proton (H⁺) to form the ammonium ion (NH₄⁺). It can react with acids to form ammonium salts. Ammonia can also participate in various organic and inorganic reactions, including redox reactions and coordination complexes.

Toxicity: While ammonia is toxic, its strong odor helps to detect its presence at low concentrations. Inhalation of high concentrations of ammonia vapor can cause irritation and damage to the respiratory system. Proper ventilation and safety precautions should be taken when handling or working with ammonia.

Environmental Impact: Ammonia can have environmental implications, particularly when released into water bodies or the atmosphere. It can contribute to eutrophication, which is the excessive growth of algae and depletion of oxygen in aquatic ecosystems. Ammonia emissions can also contribute to air pollution and the formation of particulate matter.

Safety Considerations: When handling ammonia, it is important to wear appropriate protective equipment, ensure proper ventilation, and follow safe handling and storage practices to minimize the risk of exposure and accidents.

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 Photos





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	HBr	COS	Ar+O ₂			
GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	Xe+NO			



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