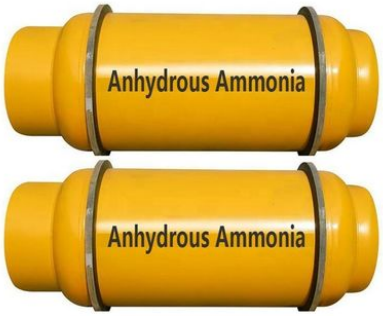
Cylinder Gas high purity China best price Factory Nh3 Ammonia Gas

Our Product Introduction

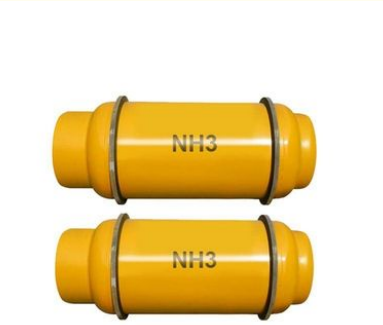
Basic Information

- 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 ºC
- Appearance: Colorless, Strong Pungent Odor
- Boiling Point: -33.5 ºC
- 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

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.

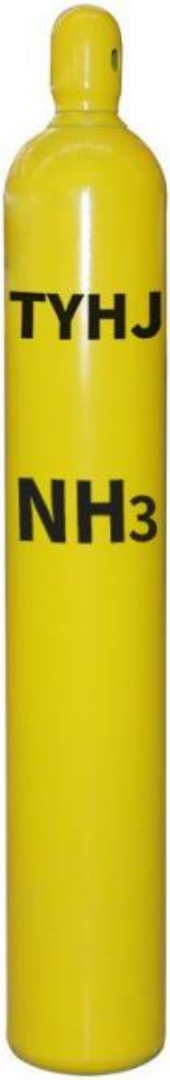
Basic Info

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

Specification

Specification	Company Standard
NH3	≥ 99.8%
Residue	< 0.2%

Detailed Photo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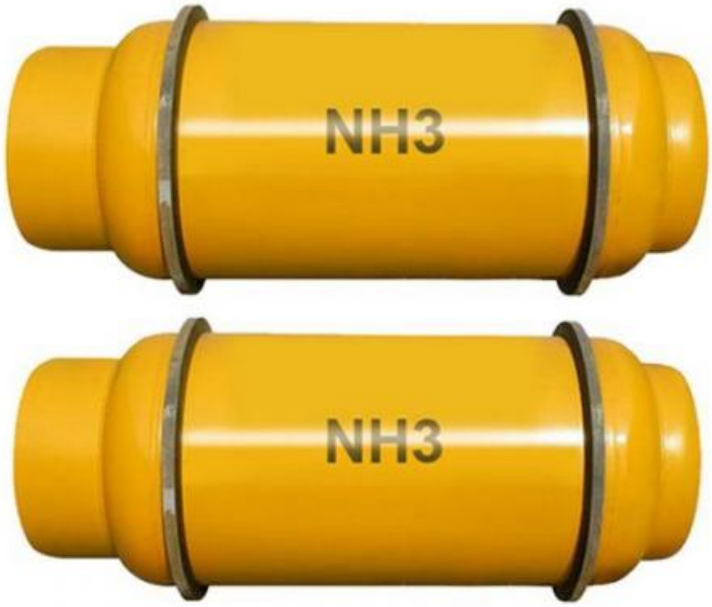
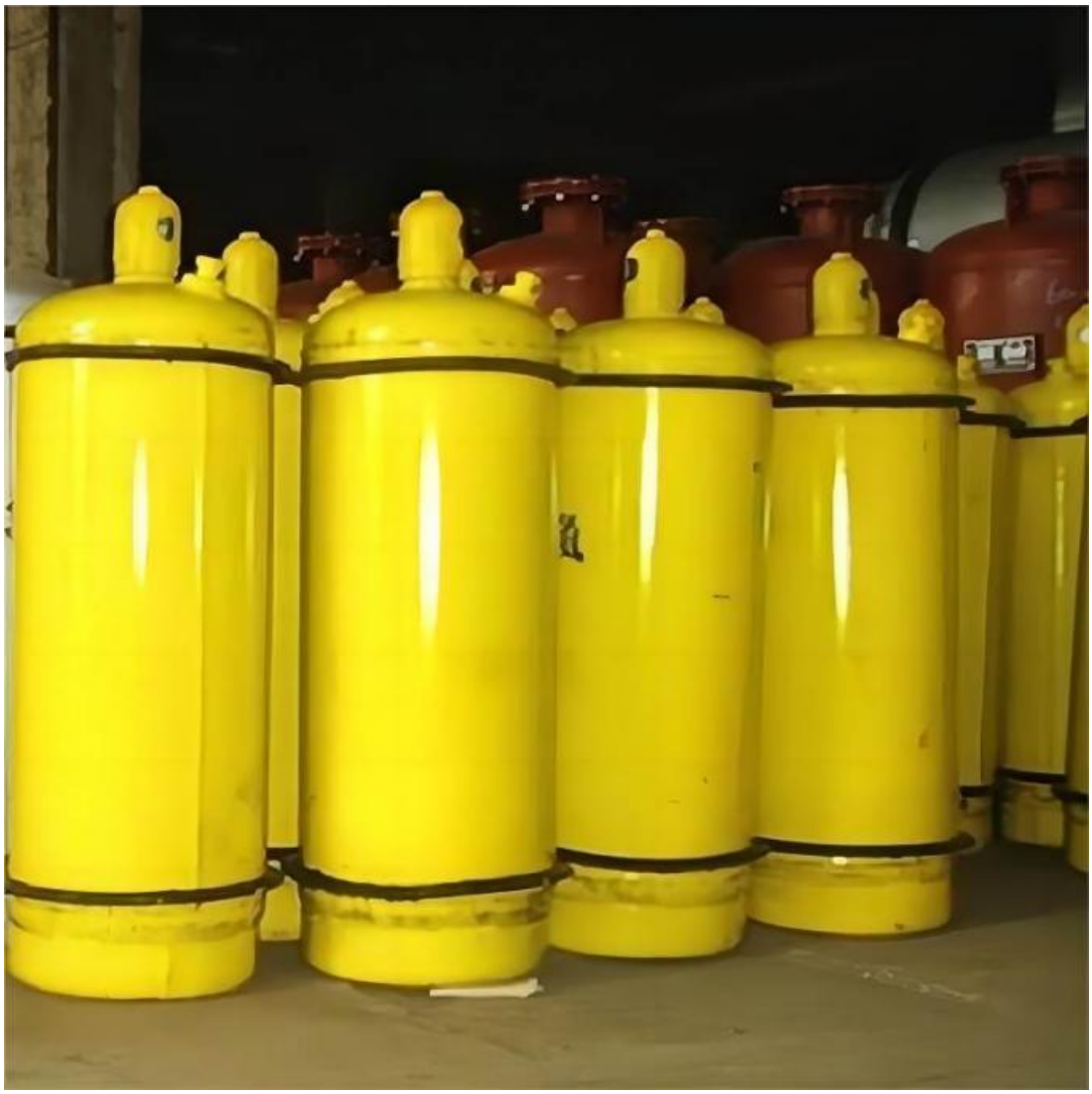
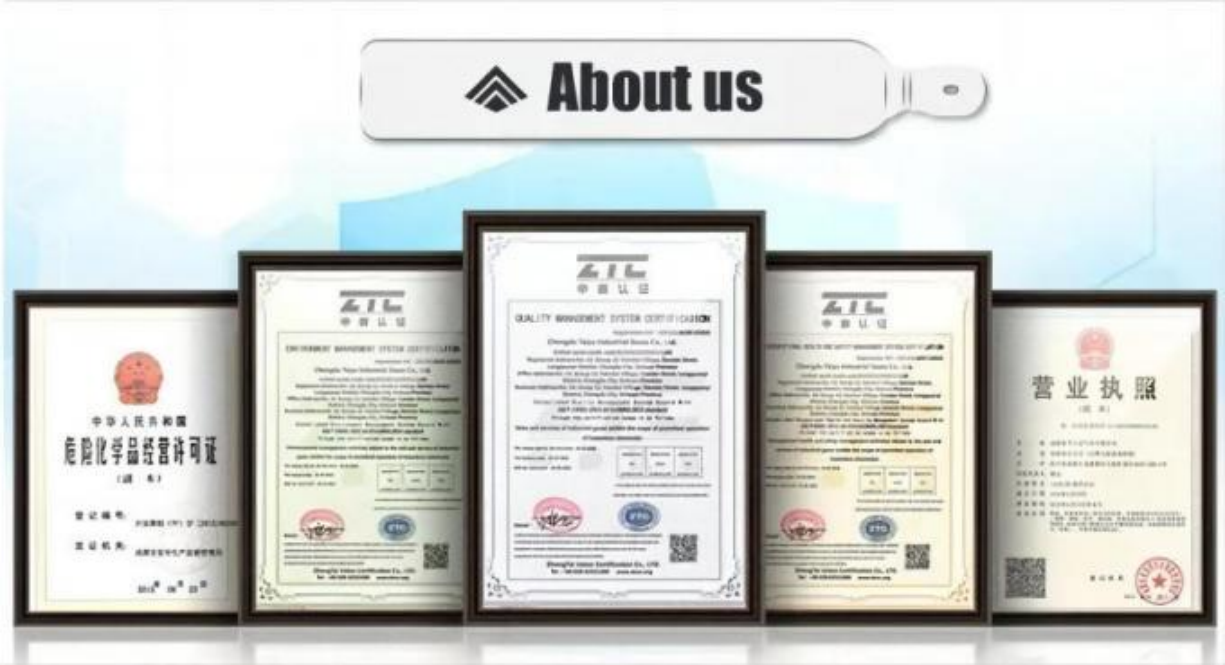
NH3


NH3
NH3



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.

SiCl4	NH3	NH3	CH3F	SiH4	Kr	H2S	WF6	F6+Cl2
4MS	C3F8	C3F8	TEOS	CH4	PH3	SF6	C2	HCl+Ne
CF4	C4F8	SiH2						TMB+H2
SiF4	C3H8	Cl2						He +As
BBr3	C3H6	DCE						Ge+Se
POCl3	N2	SO2						D+B
BCl3	D2	CO2						CO+NO
SiHCl3	CH2F2	HF	AsH3	C2H4	C2H2	HBr	COS	Ar+O2
TMAl	DMZn	DEZn	GeH4	C2H6	B2H6	H2Se	GeCl4	Xe+NO

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