



## China Factory Liquid Ammonia Cylinder Gas high purity 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
- Boiling Point: -33.5 °C
- Density: 0.73 Kg/M3
- Melting Point: -77.7 °C
- Cylinder Pressure: 3MPa/15MPa/20MPa
- Transport Package: 100L, 800L
- Specification: 100L, 800L
- Trademark: CMC
- Origin: China
- HS Code: 28141000
- Supply Ability: 20000 Tons/Year
- CAS No.: 7664-41-7
- Formula: Nh3
- EINECS: 231-635-3
- Constituent: Industrial Pure Air



### More Images



## Product Description

### Product Description

NH<sub>3</sub> refers to ammonia, which is a chemical compound composed of one nitrogen atom bonded to three hydrogen atoms. Here are some key points about NH<sub>3</sub>:

Chemical Formula: NH<sub>3</sub>

Molecular Weight: 17.03 g/mol

Structure: Ammonia molecules have a trigonal pyramidal shape, with the nitrogen atom at the center and the three hydrogen atoms arranged around it.

Physical Properties: Ammonia is a colorless gas with a distinct 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) at standard pressure. It is highly soluble in water.

Production: Ammonia is primarily produced through the Haber-Bosch process, which involves the reaction of nitrogen gas (N<sub>2</sub>) and hydrogen gas (H<sub>2</sub>) under high pressure and temperature in the presence of a catalyst.

Uses: Ammonia has a wide range of applications. It is commonly used as a fertilizer in agriculture due to its high nitrogen content. It is also used as a refrigerant in industrial and commercial systems. Ammonia is an important precursor for the production of various chemicals, including fertilizers, plastics, explosives, and cleaning agents.

Basicity and Reactions: Ammonia is a weak base and can react with acids to form ammonium salts. It can also participate in various chemical reactions, such as with halogens to form ammonium halides or with metals to form metal amides.

Toxicity and Safety Considerations: Ammonia is toxic when inhaled in high concentrations. It can irritate the respiratory system, eyes, and skin. Exposure to high levels of ammonia vapor can be dangerous and even fatal. Proper ventilation and safety precautions should be followed when handling or working with ammonia.

Ammonia-Water Solution: Ammonia readily dissolves in water to form an aqueous solution called ammonium hydroxide or ammonia water. This solution is commonly used as a cleaning agent, and its concentration can vary depending on the intended application.

#### 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

#### Product Description

Product Name	Ammonia
Chemical Formula	NH <sub>3</sub>
Hazard Class	2.3
Molecular Weight	17.031
UN	1005
Boiling Point(°C)	-33.43
Boiling Point(°F)	-241.17
Density(kg/m <sup>3</sup> )	0.728
Density(lb/ft <sup>3</sup> )	0.044

<b>rocess:</b>		
Industrial ammonia is purified by a filter into the electronic grade ultra-high purity ammonia. The annual output of ultra-high purity ammonia gas in Jinhong is more than 10,000 tons.		
<b>Specification:</b>		
S-cylinder: 44L/47L	Valve: CGA660	Content: 21Kg
Y-cylinder: 440L	Valve: DISS720	Content: 230Kg
T-cylinder: 930L	Valve: DISS720	Content:480Kg
ISO tank : 22.5Nm <sup>3</sup>	Valve:1""VCR"	Content:11.2T
<b>Application:</b>		
Ammonia(NH <sub>3</sub> )is used in		
1. metal treating operations as nitriding, carbo-nitriding, bright annealing, furnace brazing, sintering, sodium hydride descaling, atomic hydrogen welding, and other applications where protective atmospheres are required		
2. hydrogenation of fats and oils as a convenient source of hydrogen		
3.manufacturing of alkalis, ammonium salts, dyes, pharmaceuticals, cuprammonium rayon, and nylon		
4. rubber industry for stabilization of raw latex to prevent coagulation during transportation and torage		
5. as a catalyst in the phenol-formaldehyde condensation and also in the urea-formaldehyde condensation to make synthetic resin		
6.produce proteins and can be used to improve the protein content of low quality hay		
7.semiconductor industry		
8.production of blue and white LEDs (Light Emitting Diodes)		
9.In the field of novel optoelectronic materials, it is an important base material for GAN preparation by MOCVD technology. High purity ammonia or the preparation of nitrogen trifluoride, silicon nitride, the basic material, is the production of super high nitrogen raw gas. In addition, liquid ammonia is widely used in the semiconductor industry, the metallurgical industry, as well as other industries and scientific research that need to protect the atmosphere.		







## 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: H<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>, Ar, CO<sub>2</sub>, propane, acetylene, helium, laser mixed gas, SiH<sub>4</sub>, SiH<sub>2</sub>Cl<sub>2</sub>, SiHCl<sub>3</sub>, SiCl<sub>4</sub>, NH<sub>3</sub>, CF<sub>4</sub>, NF<sub>3</sub>, SF<sub>6</sub>, HCL, N<sub>2</sub>O, doping mixed gas (TMB, PH<sub>3</sub>, B<sub>2</sub>H<sub>6</sub>) and other electronic gases.

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



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