



## Factory Price High Purity Cylinder Gas Refrigerant Nh3 Gas Ammonia

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



## Ammonia

### 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
- Supply Ability: 20000 Tons /Year
- CAS No.: 7664-41-7
- Formula: Nh3
- EINECS: 231-635-3
- Constituent: Industrial Pure Air
- Grade Standard: Industrial Grade



### More Images



Ammonia. NH<sub>3</sub>



for more products please visit us on [gascylindertank.com](http://gascylindertank.com)

## Product Description

### Product Description

Ammonia gas, often referred to simply as ammonia (NH<sub>3</sub>), is a colorless gas with a distinct pungent odor. It consists of one nitrogen atom bonded to three hydrogen atoms. Ammonia is highly soluble in water, and it forms a strongly alkaline solution when dissolved.

Ammonia is commonly used in various industrial applications and has several important uses, including:

**Fertilizer:** Ammonia is a key component in the production of nitrogen-based fertilizers. It provides plants with a vital source of nitrogen, which is essential for their growth and development.

**Refrigeration:** Ammonia is widely used as a refrigerant in industrial refrigeration systems. It has excellent heat transfer properties and is more environmentally friendly than many other refrigerants.

**Cleaning agent:** Ammonia is an effective cleaning agent and is often used in household and industrial cleaning products. It can remove stains, grease, and other contaminants.

**Chemical synthesis:** Ammonia serves as a building block for the production of various chemicals, including nitric acid, urea, and certain plastics and resins.

**Water treatment:** Ammonia is used in water treatment processes to control pH levels and remove impurities. It can also be converted to chloramine, a disinfectant used to treat drinking water.

While ammonia has numerous industrial applications, it is important to handle it with caution due to its toxic and potentially hazardous nature.

Exposure to high concentrations of ammonia gas can cause severe respiratory irritation and damage to the eyes, lungs, and other organs. Proper safety measures should be followed when working with or around ammonia.

#### Basic Info.

DOT Class	2.3 & 8	Un Number	1005
Cylinder Standard	DOT/ISO/GB	Cylinder Pressure	3MPa/15MPa/20MPa
Valve	Qf-10/Diss720	Melting Point	-77.7 °C
Appearance	Colorless, Strong Pungent Odor	Boiling Point	-33.5 °C
Density	0.73 Kg/M3	Molecular Weight	17.04
Transport Package	47L, 100L, 800L	Specification	99.8%, 99.999%
Trademark	CMC	Origin	China
HS Code	28141000	Production Capacity	20000 Tons /Year

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>Process:</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 Jinzhong 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 storage		
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.		

#### 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: 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			



 Shanghai Kemike Chemical Co.,Ltd

 +86 18762990415

 williamchen@cmc-chemical.com

 gascylindertank.com