



## High Purity China Factory Best Price Cylinder Gas 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
- Transport: By Sea
- Boiling Point: -33.5°C
- Model No.: Ammonia
- Transport Package: Sea Transportation
- Specification: 40L/47L/100L/800L
- Trademark: CMC
- Origin: Suzhou, China
- CAS No.: 7664-41-7
- Formula: Nh3
- EINECS: 231-635-3
- Constituent: Industrial Pure Air
- Grade Standard: Industrial Grade
- Chemical Property: Poisonous Gases



### More Images



## Product Description

### Product Description

NH<sub>3</sub> refers to ammonia, a chemical compound composed of one nitrogen (N) atom bonded to three hydrogen (H) 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 has a pyramidal molecular geometry, with the nitrogen atom at the apex and the three hydrogen atoms forming a triangular base.

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). Ammonia is highly soluble in water, and the resulting solution is commonly known as ammonia water or aqueous ammonia.

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>) in the presence of a catalyst at high pressure and temperature.

Uses: Ammonia has numerous applications across various industries:

Fertilizer: Ammonia is a vital component in the production of nitrogen-based fertilizers, supplying essential nutrients to plants.

Chemical Industry: It serves as a precursor for the synthesis of various chemicals, including urea, nitric acid, and ammonium-based compounds used in pharmaceuticals, plastics, and textiles.

Refrigeration: Ammonia is widely used as a refrigerant in industrial refrigeration systems due to its high cooling capacity and energy efficiency.

Cleaning: Ammonia water is used as a cleaning agent for household purposes, such as glass cleaning and stain removal.

Wastewater Treatment: Ammonia is used in the treatment of wastewater to control pH and remove contaminants.

Safety Considerations: Ammonia is toxic and can be harmful when inhaled or ingested in concentrated amounts. It is essential to handle ammonia with caution, ensuring proper ventilation and following safety guidelines. Ammonia can also be flammable in certain conditions.

Environmental Impact: Ammonia can contribute to air and water pollution if released improperly. Its release into the environment can lead to eutrophication, which is the excessive growth of algae and depletion of oxygen in water bodies.

#### Basic Info.

##### Specification:

Molecular Weight	17.04	Density	0.73Kg/m <sup>3</sup>
Melting Point	-77.7°C	Boiling Point	-33.5°C
Appearance	Colorless,Strong Pungent Odor	Un No.	1005
DOT Class	2.3&8	Valve	QF-10/Diss720
Cylinder Standard	GB/ISO/DOT	Cylinder Pressure	3Mpa/15Mpa/20Mpa
Transport Package	100L,800L	Specification	99.9%,99.99999%
Trademark	CMC	Origin	China
HS Code	28141000	Production Capacity	20000tons/Year

#### 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: 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	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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