



Wholesale Factory Price Tank Cylinder Gas Liquid High Purity 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. NH₃



Product Specification

- Product Name: Ammonia Gas
- Purity: 99.99999%
- Hazard Class: 2.3
- Density(Kg/M3): 0.728
- Model No.: Ammonia
- Transport Package: 800L, 100L
- Specification: 800L, 100L
- Trademark: CMC
- Origin: China
- HS Code: 28141000
- Supply Ability: 800L, 100L
- CAS No.: 7664-41-7
- Formula: Nh3
- EINECS: 231-635-3
- Constituent: Industrial Pure Air



More Images



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Product Description

Product Description

NH₃ refers to ammonia, 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 the three hydrogen atoms 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). At room temperature and atmospheric pressure, it is not stable as a solid and exists as a gas.

Ammonia in Solution: Ammonia readily dissolves in water to form ammonium hydroxide (NH₄OH), a solution commonly known as aqueous ammonia. This solution is often used in various industrial and household applications.

Chemical Properties: Ammonia is a weak base and can act as a nucleophile in chemical reactions. It can react with acids to form salts, and it can also participate in substitution, addition, and redox reactions.

Uses: Ammonia has numerous applications in various industries. It is commonly used in agriculture as a fertilizer due to its high nitrogen content. It is also used in the production of various chemicals, including fertilizers, plastics, explosives, and cleaning agents. Additionally, ammonia is used as a refrigerant in industrial refrigeration systems.

Safety Considerations: Ammonia is toxic and can cause irritation to the respiratory system, eyes, and skin. Inhalation of high concentrations of ammonia vapor can be harmful, and direct contact with liquid ammonia can cause burns. Proper precautions should be taken when working with or handling ammonia, including adequate ventilation and the use of protective equipment.

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 ₃
Hazard Class	2.3
Molecular Weight	17.031
UN	1005
Boiling Point(°C)	-33.43
Boiling Point(°F)	-241.17
Density(kg/m³)	0.728
Density(lb/ft³)	0.044

Process:

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.

Specification:

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 ³	Valve: 1" VCR"	Content: 11.2T

Application:

Ammonia(NH₃) 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: 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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