High Purity China Factory Best Price Cylinder Gas Nh3 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

Product Specification

- Product Name: Ammonia Gas
- Melting Point: -77.7ºC
- Transport: By Sea
- Boiling Point: -33.5ºC
- 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

NH3 refers to ammonia, a chemical compound composed of one nitrogen (N) atom bonded to three hydrogen (H) atoms. Here are some key points about NH3:

Chemical Formula: NH3

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 (N2) and hydrogen gas (H2) 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/m³
Melting Point	-77.7ºC	Boiling Point	-33.5ºC
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


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

Shanghai Kemike Chemical Co.,Ltd

+86 18762990415 williamchen@cmc-chemical.com gascylindertank.com