



## Best Price High Purity Hcl Cylinder Gas 99.9% Anhydrous hydrogen chloride

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Hcl
- Minimum Order Quantity: 1kg
- Price: US \$15/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 20000 Tons/Year



### Product Specification

- Product Name: Anhydrous Hydrogen Chloride
- Purity: 99.999%
- Melting Point: -107.3°C
- Boiling Point: 12.5°C
- Valve: Cga330
- Appearance: Colorless Gas
- Cylinder Standard: DOT/ISO/GB
- Transport Package: Cylinder
- Specification: 44L 100L 270L
- Trademark: CMC
- Origin: Suzhou, China
- CAS No.: 7647-01-0
- Formula: HCl
- EINECS: 231-595-7
- Constituent: Industrial Pure Air



### More Images



## Product Description

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Anhydrous hydrogen chloride (HCl) refers to hydrogen chloride gas that is free of water. Here are some key points about anhydrous hydrogen chloride:

**Composition:** Anhydrous hydrogen chloride consists solely of hydrogen (H) and chlorine (Cl) atoms. It is a diatomic molecule, meaning two hydrogen chloride molecules are chemically bonded together (HCl).

**Properties:** Anhydrous hydrogen chloride is a colorless gas with a strong, pungent odor. It is highly soluble in water and readily forms hydrochloric acid when exposed to moisture. Due to its high solubility, anhydrous hydrogen chloride is often supplied and stored in pressurized containers to prevent contact with atmospheric moisture.

**Production:** Anhydrous hydrogen chloride can be produced by various methods, including the reaction of hydrogen gas (H<sub>2</sub>) with chlorine gas (Cl<sub>2</sub>) under controlled conditions. It can also be obtained through the dehydration of hydrochloric acid by removing the water content.

**Applications:** Anhydrous hydrogen chloride has a range of industrial uses:

**Chemical Synthesis:** It serves as a versatile reagent in chemical synthesis, including the production of various organic compounds, pharmaceuticals, and plastics.

**Semiconductor Industry:** Anhydrous hydrogen chloride is used in the semiconductor industry for etching and cleaning silicon wafers during the fabrication of microchips.

**Metal Processing:** It is employed for metal surface treatment, such as pickling and cleaning processes, to remove oxides, scales, and other impurities from metal surfaces.

**Refrigeration:** Anhydrous hydrogen chloride is used as a refrigerant in some industrial applications, particularly in low-temperature systems.

**Safety Considerations:** Anhydrous hydrogen chloride is a highly corrosive and toxic gas. It can cause severe burns to the skin, eyes, and respiratory system upon contact. Inhalation of the gas can lead to respiratory distress and damage. Proper safety measures, including handling in a well-ventilated area, use of appropriate personal protective equipment, and adherence to safety protocols, should be followed when working with anhydrous hydrogen chloride.

It's crucial to emphasize that anhydrous hydrogen chloride should be handled with extreme caution due to its hazardous nature, and its use and storage should comply with strict safety regulations and protocols.

#### Specification:

Molecular Weight	36.46	Density	1.477Kg/m <sup>3</sup>
Melting Point	-114.2°C	Boiling Point	-85.1°C
Appearance	Colorless,Pungent	Un No.	1050
DOT Class	2.3&8	Valve	CGA660
Cylinder Standard	GB/ISO/DOT	Cylinder Pressure	15Mpa/20Mpa
Transport Package	44L	Specification	99.9%
Trademark	CMC	Origin	China
HS Code	28061000	Production Capacity	2000tons/Year

#### Detailed Photo







## 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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