



Cylinder Gas China High Purity Best Price Anhydrous Hydrogen Chloride

Our Product Introduction

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
- Cylinder Standard: DOT/ISO/GB
- Appearance: Colorless
- Valve: Cga330
- Boiling Point: -85.1 °C
- Cylinder Pressure: 42bar
- Melting Point: -114.2 °C
- Transport Package: Sea Transportation
- Specification: 44L 100L 270L
- Trademark: CMC
- Origin: Suzhou, China
- HS Code: 28061000
- Supply Ability: 20000tons/Year
- CAS No.: 7647-01-0
- Formula: HCl



More Images



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Product Description

Product Description

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 chloride (HCl) molecules in a gaseous state. It does not contain any water molecules.

Properties: Anhydrous hydrogen chloride is a colorless gas with a strong, pungent odor. It is highly soluble in water and readily reacts with moisture in the air to form hydrochloric acid. The gas is denser than air and can form dense fumes when released.

Production: Anhydrous hydrogen chloride can be produced through various methods. One common method involves the reaction of a chloride salt, such as sodium chloride (NaCl), with a strong acid, such as sulfuric acid (H₂SO₄). The reaction produces hydrogen chloride gas, which can be collected and purified to remove any traces of water.

Uses: Anhydrous hydrogen chloride has several industrial applications:

Chemical Synthesis: It is used as a reactant or catalyst in various chemical reactions, including the production of organic compounds, dyes, plastics, and pharmaceuticals.

Metal Processing: Anhydrous hydrogen chloride is employed for pickling and cleaning metal surfaces to remove oxides, scales, and impurities before further processing or coating.

Semiconductor Industry: It is used in the semiconductor industry for etching and cleaning silicon wafers during the fabrication of integrated circuits.

Chlorination Reactions: Anhydrous hydrogen chloride is involved in chlorination reactions, such as the production of chlorinated solvents or the synthesis of chloroform.

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 or its fumes can be harmful to human health. Proper precautions, including the use of appropriate protective equipment, ventilation, and safe handling procedures, should be followed when working with anhydrous hydrogen chloride.

Due to its hazardous nature, anhydrous hydrogen chloride should be handled with extreme care, and its use and storage should comply with strict safety regulations and protocols.

Basic Info.

Molecular Weight	36.46	Density	1.477Kg/m ³
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

Specification:

Specification	Company Standard
HCL	≥ 99.9%
CO ₂	≤ 400 ppm
CO	≤ 60 ppm
N ₂	≤ 450 ppm
O ₂ +AR	≤ 30 ppm
THC (as CH ₄)	≤ 5 ppm
Moisture	≤ 5 ppm

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: 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	AsH ₃	C ₂ H ₄	C ₂ H ₂	HBr	COS	Ar+O ₂
TMAI	DMZn	DEZn	GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	Xe+NO



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