Cylinder Gas 99.9% Purity Electronic Gas 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 $ 9.5/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 Chlorde
- Boiling Point: -85.1 ºC
- Molecular Weight: 36.46
- Melting Point: -114.2 ºC
- Cylinder Pressure: 15MPa/20MPa
- Transport Package: 44L, 82.5L
- Specification: 44L, 82.5L
- Origin: China
- HS Code: 28061000
- Supply Ability: 2000 Tons/Year
- CAS No.: 7647-01-0
- Formula: HCl
- EINECS: 231-595-7
- Constituent: Industrial Pure Air
- Grade Standard: Industrial Grade

More Images

Product Description

Anhydrous hydrogen chloride (HCl) refers to hydrogen chloride gas that is free of water. It is an anhydrous form of hydrochloric acid, meaning it does not contain any water molecules. Here are some key points about anhydrous hydrogen chloride:

Composition: Anhydrous hydrogen chloride is composed of hydrogen (H) and chlorine (Cl) atoms. It exists as a gas at room temperature and pressure and is typically stored and handled in pressurized cylinders.

Production: Anhydrous hydrogen chloride can be produced by removing water from hydrochloric acid. This can be achieved through various methods, such as using drying agents or distillation techniques to separate the water from the acid.

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. The gas is denser than air and can form dense, white fumes in the presence of humidity.

Uses: Anhydrous hydrogen chloride has several applications in various industries:

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

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

Metal Processing: It is utilized for metal surface treatment, including pickling and cleaning of metals to remove oxides, scales, and impurities.

Laboratory Applications: Anhydrous hydrogen chloride is used in laboratories for various purposes, such as pH adjustment, synthesis, and chemical reactions.

Safety Considerations: Anhydrous hydrogen chloride is highly corrosive and toxic. It can cause severe burns to the skin, eyes, and respiratory system upon contact or inhalation. The gas is also an irritant to the mucous membranes. Proper safety 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 caution, and its use and storage must comply with strict safety protocols and regulations.

Specification:

Specification	Company Standard
HCL	≥ 99.9%
CO2	≤ 400 ppm
CO	≤ 60 ppm
N2	≤ 450 ppm
O2+AR	≤ 30 ppm
THC (as CH4)	≤ 5 ppm
Moisture	≤ 5 ppm

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

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