

Wholesale Semiconductor & Oil & Gas Industry Uses HCl Gas Cylinder Hydrogen Chloride

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
Cylinder Pressure: 42bar
Purity: 99.999%
Valve: Cga330
Boiling Point: -85.1 °C
Density: 1.477 Kg/M³
Melting Point: -114.2 °C

Transport Package: Sea TransportationSpecification: 44L 100L 270L

• Trademark: CMC

Origin: Suzhou, China
HS Code: 28061000
Supply Ability: 20000tons/Year
CAS No.: 7647-01-0



Hydrogen Chloride

More Images







Product Description

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Hydrogen chloride (HCl) is a chemical compound composed of hydrogen and chlorine. It is a colorless gas with a strong, pungent odor. Hydrogen chloride is highly soluble in water, and when dissolved, it forms hydrochloric acid.

Here are some key points about hydrogen chloride:

Chemical Formula: HCl

Molecular Weight: 36.46 g/mol

Physical Properties: Hydrogen chloride is a gas at standard temperature and pressure. Its boiling point is -85.1 °C (-121.2 °F), and its melting point is -114.2 °C (-173.6 °F).

Chemical Properties: Hydrogen chloride is a highly reactive compound. It is a strong acid and dissociates completely in water, forming hydronium ions (H3O+) and chloride ions (Cl-). The chemical equation for the reaction is $HCl + H2O \Rightarrow H3O + Cl$ -.

Industrial Production: Hydrogen chloride is produced on a large scale by combining hydrogen gas (H2) and chlorine gas (Cl2) in the presence of a catalyst, such as activated carbon or platinum. The reaction is exothermic and typically occurs at high temperatures.

Uses: Hydrogen chloride has several applications in various industries. Some common uses include:

Production of hydrochloric acid: It is the primary source of hydrochloric acid, which is widely used in laboratory experiments, chemical synthesis, and industrial processes.

pH adjustment: Hydrochloric acid, derived from hydrogen chloride, is used to adjust the pH levels in swimming pools, water treatment plants, and other applications.

Metal cleaning and etching: Hydrogen chloride is used for cleaning and etching metals, such as steel and aluminum, in industrial processes.

Organic synthesis: It is used as a reagent in several chemical reactions for the production of organic compounds.

PVC production: Hydrogen chloride is a key ingredient in the production of polyvinyl chloride (PVC), a widely used plastic.

Safety Precautions: Hydrogen chloride is highly corrosive and can cause severe burns upon contact with the skin, eyes, or respiratory system. It is important to handle it with care, using appropriate protective equipment and working in well-ventilated areas.

It's worth noting that hydrogen chloride is also found naturally in volcanic gases and in the stomach as a component of gastric acid, aiding in the digestion of food.

Basic Info.

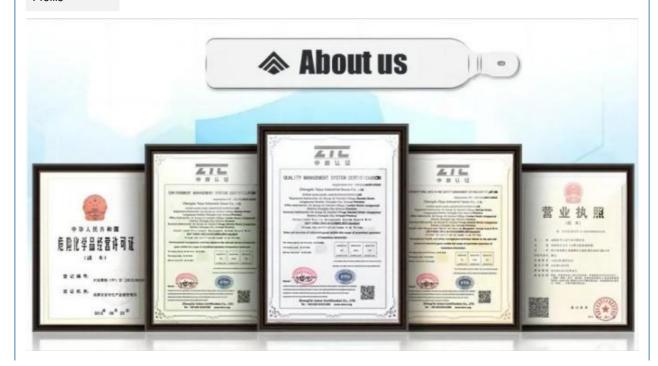
Molecular Weight	36.46	Density	1.477Kg/m ³
Melting Point	-114.2ºC	Boiling Point	-85.1ºC
Appearance	Colorless,Pungent	Un No.	1050
DOT Class	2.3&8	Valve	CGA660
Cylinder Standard	GB/ISO/DOT	Cylinder Pressure	15Mpa/20Mpa
Transport Package	44L	Specification	99.9%
Trademark	CMC	Origin	China

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

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.

SiCI4	NH3	NH3	CH3F	SiH4	Kr	H2S	WF6	F6+CI2
4MS	C3F8	C3F8	TEOS	CH4	PH3	SF6	C2	HCI+Ne
CF4	C4F8	SiH2						TMB+H2
SiF4	C3H8	CI2	PERI					He +As
BBr3	C3H6	DCE	MA		nnn,	n fi	a	Ge+Se
POCI3	N2	SO2	4	C. V. VIII	I I I I			D+B
BCI3	D2	CO2				1005555		CO+NO
SiHCI3	CH2F2	HF	AsH3	C2H4	C2H2	HBr	cos	Ar+O2
TMAI	DMZn	DEZn	GeH4	C2H6	B2H6	H2Se	GeCl4	Xe+NO









