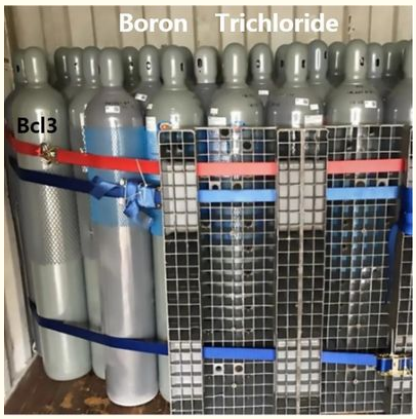
China Cylinder Gas High Purity Plasma Etching Flame Retardant Gas Bcl3 Boron Trichloride

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Bcl3
- Minimum Order Quantity: 1kg
- Price: US $100-1500/pc
- Packaging Details: Cylinder
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 300,000tons/year



Product Specification

- Product Name: Boron Trichloride
- Cylinder Standard: GB/ISO/DOT
- Cylinder Pressure: 15MPa/20MPa
- Boiling Point: 12.5ºC
- Melting Point: -107.3ºC
- Appearance: Colorless Fuming Liquid Or Gas With A Pungent
- Valve: Cga660
- Model No.: Boron Trichloride
- Transport Package: 40L/47L/50L
- Specification: 40L/47L/50L
- Trademark: CMC
- Origin: China
- HS Code: 2812191090
- Supply Ability: 300, 000tons/Year

More Images

Product Description

Boron trichloride, often represented as BCl3, is a chemical compound composed of one boron atom and three chlorine atoms. It is a colorless gas with a pungent odor. Boron trichloride has several applications in various industries:

Chemical Synthesis: BCl3 is commonly used as a Lewis acid catalyst in organic synthesis reactions. It can facilitate reactions such as Friedel-Crafts acylation and alkylation, as well as the formation of esters and amides.

Semiconductor Industry: Boron trichloride is used in the production of semiconductors, particularly as a dopant in the manufacturing of p-type silicon. By introducing boron atoms into the silicon lattice, the electrical properties of the material can be modified.

Plasma Etching: BCl3 is employed as an etchant in plasma etching processes. It is particularly effective in removing oxide layers from surfaces, making it useful in the production of microelectronic devices and integrated circuits.

Flame Retardant: Boron trichloride is also used as a flame retardant additive in certain applications. When added to polymers, it can help reduce flammability and improve fire resistance.

It's worth noting that boron trichloride is a highly reactive and toxic substance. It should be handled with caution, and proper safety measures should be followed when working with this compound.

Basic Info

Transport Package:	40L/47L/50L	Melting Point	-107.3ºC
Trademark:	CMC	Boiling Point	12.5ºC
Specification	99.90%	Production Capacity	300, 000tons/Year
Cylinder Pressure	12.5MPa/15MPa/20MPa	Valve	Cga660
Appearance	Colorless Fuming Liquid or Gas with a Pungent	Density	1.35 Kg/M

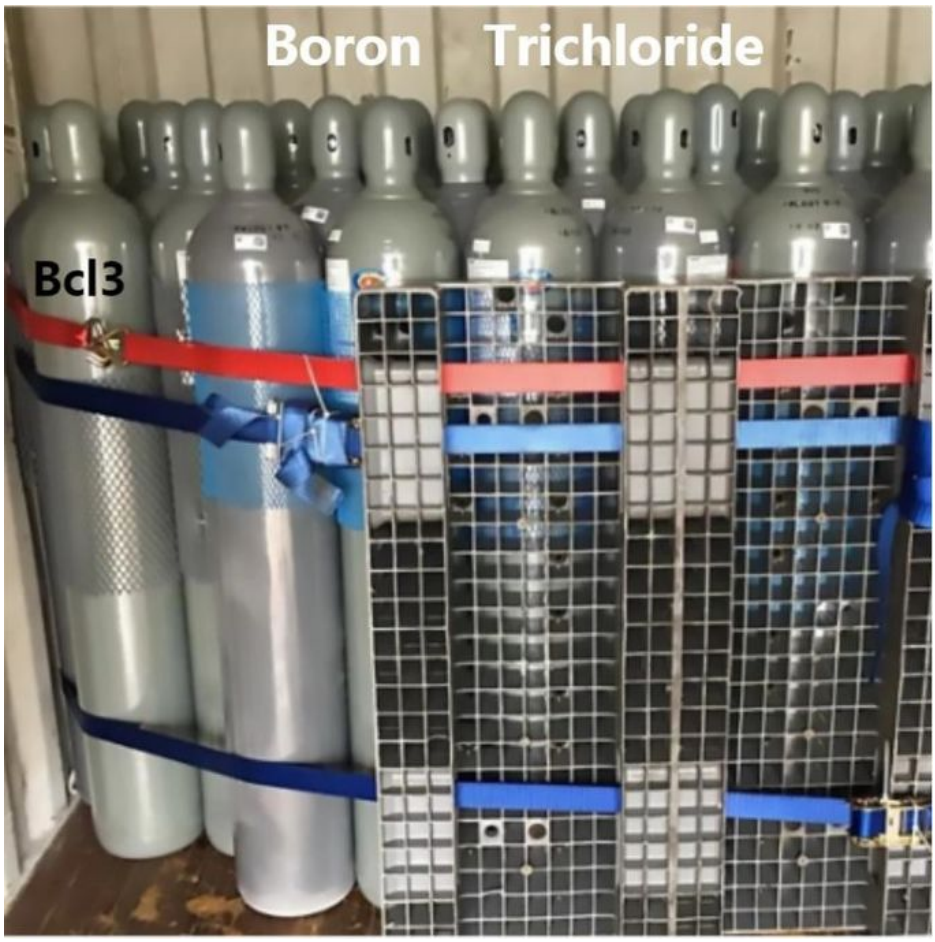
Specification:

Dot Class: 2.3
State: Liquid
Purity: 99.9%
UN NO:UN1741
CAS NO: 10294-34-5
Grade Standard: Industrial Grade

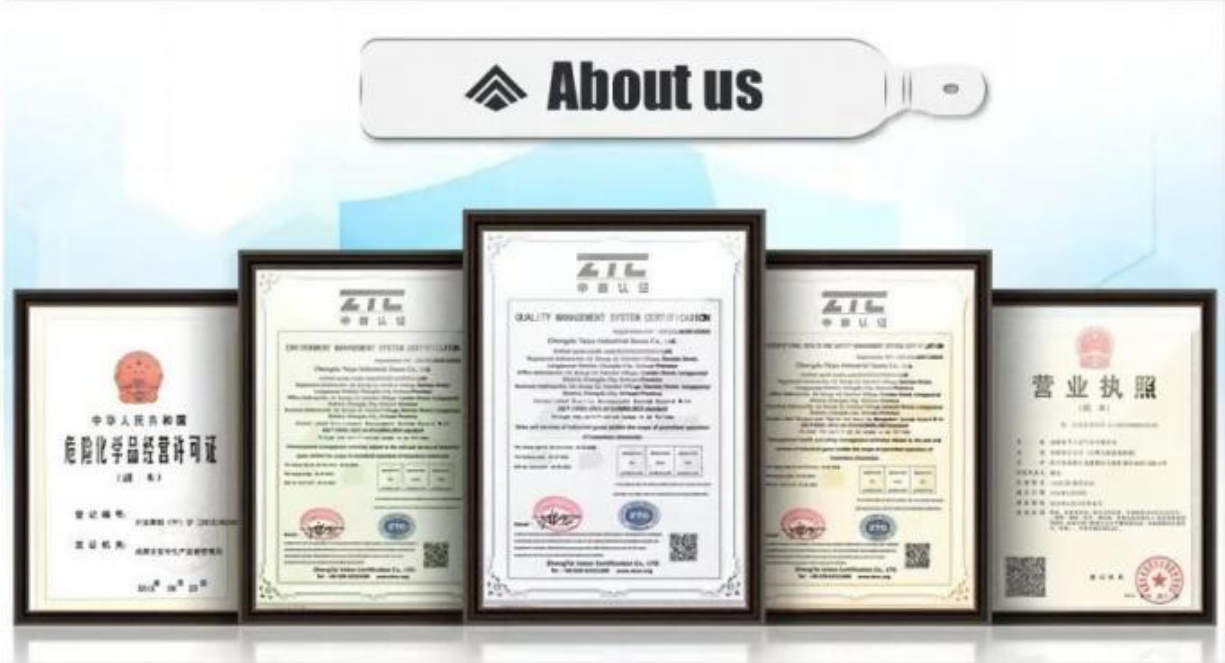
Specification	99.9%
Chlorine	≤ 10 ppm
Silicon Tetrachloride	≤ 300 ppm

Cylinder Specifications		Contents
Cylinder Capacity	Valve	Weight
47L	CGA 660	50 kgs

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.

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