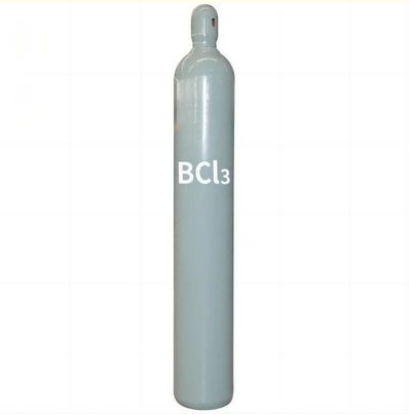
Cylinder Gas China Best Price Semiconductor processing gas Bcl3 Boron Trichloride

Our Product Introduction

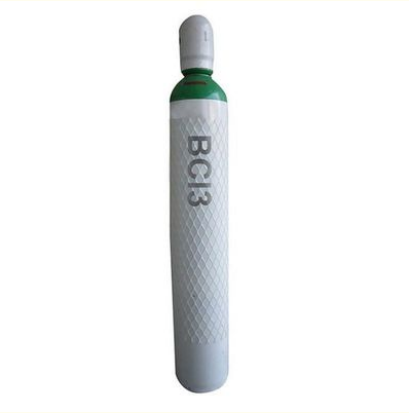
Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Bcl3
- Minimum Order Quantity: 1kg
- Price: US $300-1000/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
- Boiling Point: 12.5ºC
- Cylinder Standard: GB/ISO/DOT
- Melting Point: -107.3ºC
- Density: 1.35 Kg/M³
- Cylinder Pressure: 15MPa/20MPa
- Transport Package: 40L/47L/50L
- Specification: 40L/47L/50L
- Trademark: CMC
- Origin: China
- HS Code: 2812191090
- Supply Ability: 300, 000tons/Year
- CAS No.: 10294-34-5
- Formula: Bcl3
- EINECS: 233-658-4



More Images

Product Description

Boron trichloride, commonly abbreviated as BCl3, is a chemical compound composed of one boron atom and three chlorine atoms. It is a colorless gas with a pungent odor. BCl3 is known for its strong Lewis acidity and is widely used in various industrial applications.

Here are some key points about BCl3:

Structure: BCl3 has a trigonal planar molecular geometry, with the boron atom at the center and the three chlorine atoms arranged symmetrically around it.

Production: BCl3 can be produced by reacting boron oxide (B2O3) with chlorine gas (Cl2) or by the direct combination of boron and chlorine at high temperatures.

Properties: BCl3 is highly reactive and readily reacts with water vapor in the air to form hydrochloric acid (HCl) and boric acid (H3BO3). It is also reactive with many organic compounds.

Applications:

Catalyst: BCl3 is commonly used as a Lewis acid catalyst in various chemical reactions, such as the Friedel-Crafts acylation and alkylation reactions.

Semiconductor processing: BCl3 is utilized in the semiconductor industry for etching and cleaning silicon wafers.

Metal organic chemical vapor deposition (MOCVD): It is used as a precursor in the deposition of boron-containing films, such as boron nitride and boron carbide.

Polymer synthesis: BCl3 can be employed as a catalyst in the production of certain polymers.

Safety considerations: BCl3 is highly toxic if inhaled or ingested. It can cause severe irritation to the eyes, skin, and respiratory system. Proper safety precautions, such as adequate ventilation and personal protective equipment, should be followed when handling BCl3.

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

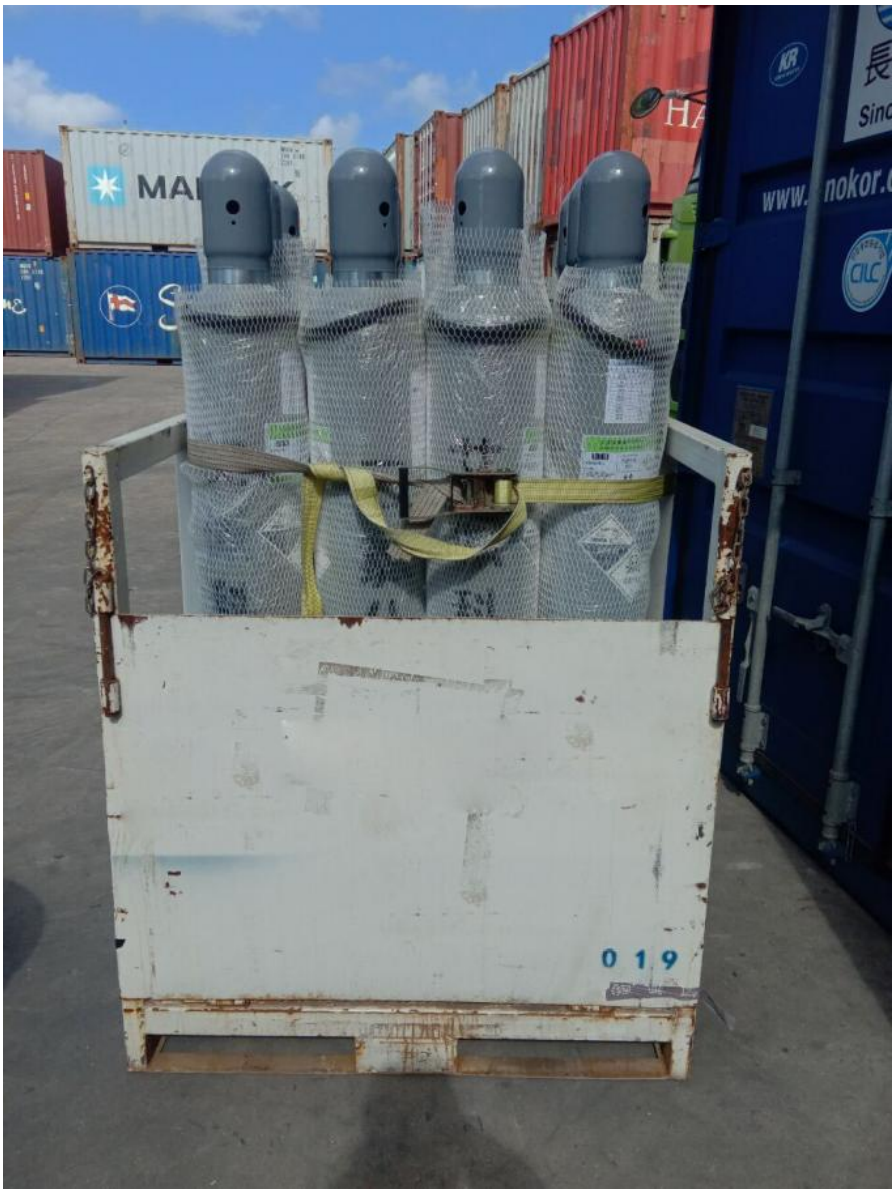
Specification:

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

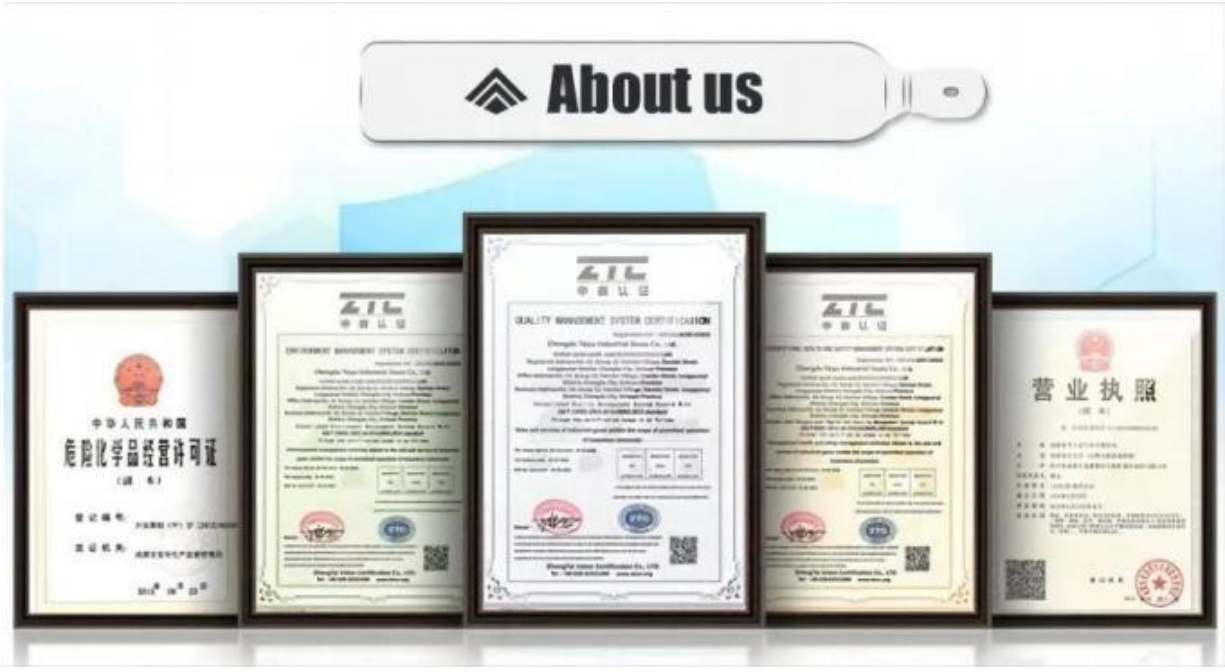
Specification	99.9%
Chlorine	≤ 10 ppm
Silicon Tetrachloride	≤ 300 ppm

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

Detailed 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.

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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