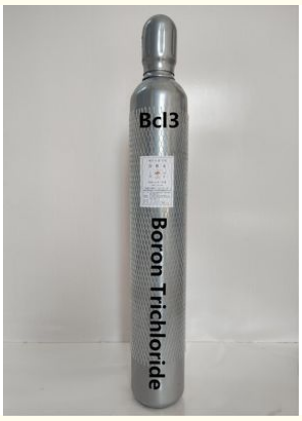
Deprotonation Agent Laboratory Reagent Catalyst Semiconductor Industry Cylinder Gas Boron trichloride

Our Product Introduction

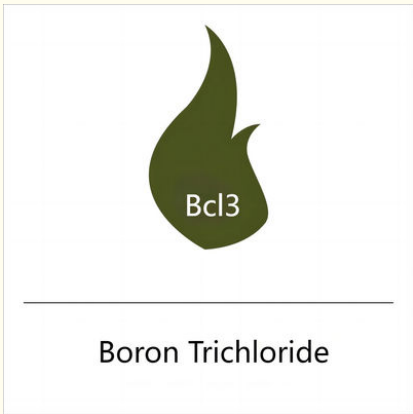
Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Bcl3
- Minimum Order Quantity: 1kg
- Price: US $18
- 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
- Melting Point: -107.3ºC
- Boiling Point: 12.5ºC
- Valve: Cga660
- Cylinder Pressure: 15MPa/20MPa
- Appearance: Colorless Fuming Liquid Or Gas With A Pungent
- 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



More Images

Product Description

Boron trichloride, often abbreviated as BCl3, is a chemical compound composed of one boron atom and three chlorine atoms. It is a colorless gas at room temperature and has a pungent odor. Boron trichloride is widely used in various industrial applications, particularly in the synthesis of organic compounds.

Here are some key characteristics and uses of BCl3:

Chemical Formula: BCl3

Molecular Weight: 117.17 g/mol

Physical State: Boron trichloride is a gas at room temperature and pressure.

Odor: BCl3 has a pungent, irritating odor.

Reactivity: It is highly reactive and can react vigorously with water, alcohols, and other reactive compounds.

Lewis Acid: BCl3 is a Lewis acid, meaning it can accept a pair of electrons during a chemical reaction.

Catalyst: Boron trichloride is commonly used as a catalyst in various organic reactions, such as the Friedel-Crafts acylation and alkylation reactions.

Deprotonation Agent: It can act as a deprotonation agent, removing a hydrogen ion (proton) from certain compounds.

Semiconductor Industry: BCl3 is utilized in the semiconductor industry for plasma etching and chemical vapor deposition (CVD) processes.

Laboratory Reagent: It can be employed as a reagent in organic synthesis and various laboratory procedures.

Toxicity: Boron trichloride is toxic and can cause severe burns upon contact with the skin or eyes. It should be handled with caution and proper safety measures.

Please note that if you have a specific question or require more detailed information about a particular aspect of boron trichloride, feel free to ask!

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/M3

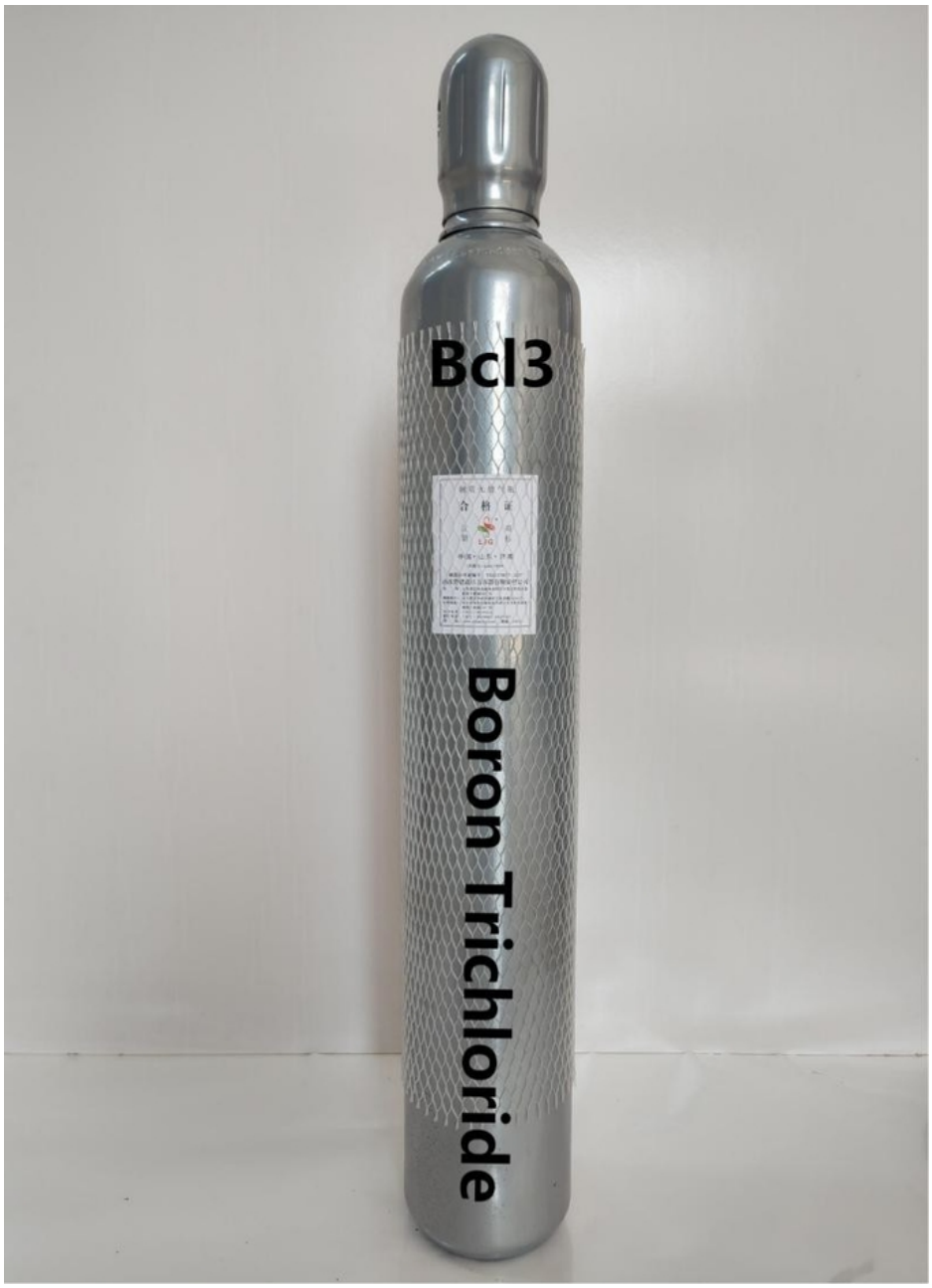
Specification:

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

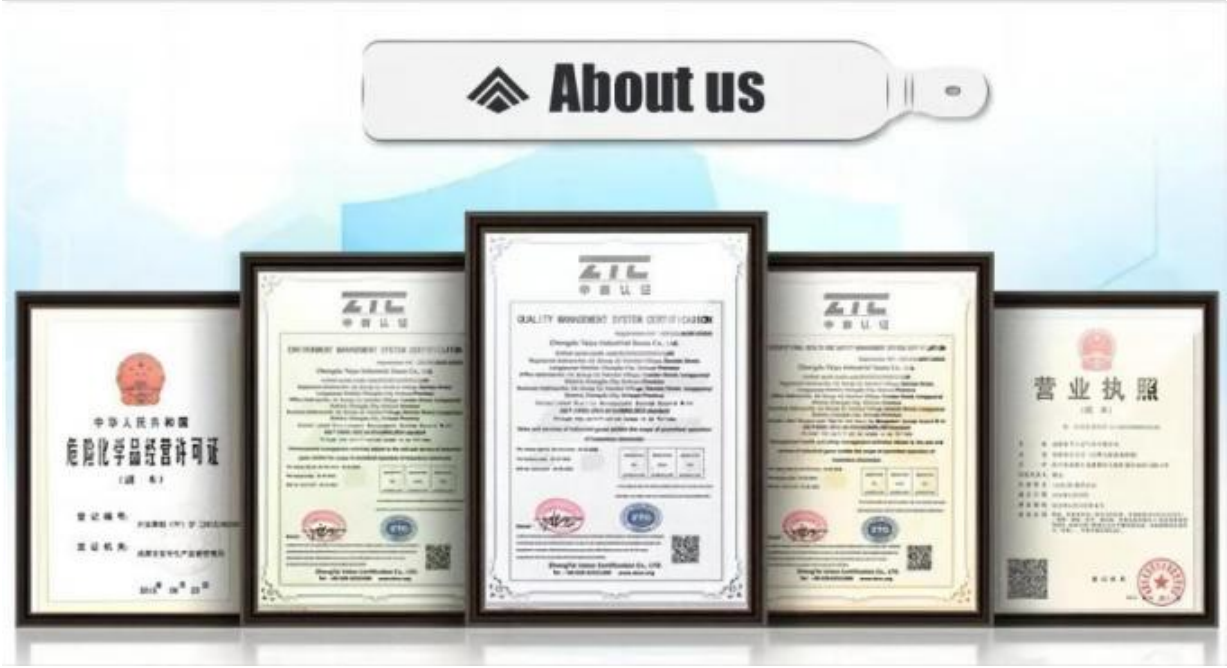
Cylinder Specifications		Contents
Cylinder Capacity	Valve	Weight
47L	CGA 660	50 kgs

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

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