



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

Our Product Introduction

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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: 12.5°C
- Melting Point: -107.3°C
- 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



Boron Trichloride

More Images



Product Description

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	-107.3°C
Trademark:	CMC	Boiling Point	12.5°C
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.

SiCl ₄	NH ₃	NH ₃	CH ₃ F	SiH ₄	Kr	H ₂ S	WF ₆	F ₆ +Cl ₂
4MS	C ₃ F ₈	C ₃ F ₈	TEOS	CH ₄	PH ₃	SF ₆	C ₂	HCl+Ne
CF ₄	C ₄ F ₈	SiH ₂						TMB+H ₂
SiF ₄	C ₃ H ₈	Cl ₂						He +As
BBr ₃	C ₃ H ₆	DCE						Ge+Se
POCl ₃	N ₂	SO ₂						D+B
BCl ₃	D ₂	CO ₂						CO+NO
SiHCl ₃	CH ₂ F ₂	HF						Ar+O ₂
TMAI	DMZn	DEZn						Xe+NO
AsH ₃	C ₂ H ₄	C ₂ H ₂	HBr	COS	Ar+O ₂			
GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	Xe+NO			



