



Cylinder Gas China High Purity 99.999% Boron Trichloride Bcl3 Gas

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 \$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
- Valve: Qf-30A/Cga350
- Boiling Point: -191.5°C
- Melting Point: -205°C
- Cylinder Pressure: 12.5MPa/15MPa/20MPa
- Cylinder Standard: GB/ISO/DOT
- 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

Product Description

Boron trichloride, or BCl₃, is a chemical compound composed of boron and chlorine. It is a colorless gas at room temperature and is known for its pungent odor. BCl₃ is highly reactive and is used in various industrial applications.

One common use of BCl₃ is as a catalyst in organic synthesis reactions. It can be used to promote reactions such as the formation of carbon-carbon and carbon-nitrogen bonds. BCl₃ is also used in the production of pharmaceuticals, dyes, and other organic compounds.

Another application of BCl₃ is in the production of semiconductors. It is used as a dopant during the fabrication of certain types of transistors and integrated circuits. BCl₃ can introduce boron atoms into the semiconductor material, altering its electrical properties.

BCl₃ is also used in the manufacturing of optical fibers. It is involved in the process of vapor deposition, where layers of glass are deposited onto a substrate to form the fiber. BCl₃ is used as a reactant gas to facilitate the deposition of boron-doped silica layers, which can enhance the fiber's refractive index and optical properties.

It's worth noting that BCl₃ is a toxic and corrosive substance, and proper safety precautions should be taken when handling it. Inhalation or skin contact with BCl₃ can be harmful, and exposure to high concentrations can cause severe respiratory and eye irritation.

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

Packaging & Shipping

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

Detailed Photos



Company
Profile

About us



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	
			GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	



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