



China Wholesale Chemical synthesis 99.999% Cylinder Gas 6n Bcl3 Gas 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 \$180-1000/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
- Appearance: Colorless Fuming Liquid Or Gas With A Pungent
- Cylinder Standard: GB/ISO/DOT
- Valve: Cga660
- 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



Boron Trichloride

More Images



Product Description

Product Description

Boron trichloride, or BCl₃, is a chemical compound composed of boron and chlorine. It is a colorless gas with a pungent odor. Boron trichloride is commonly used in various industrial applications, including as a catalyst in organic synthesis and as a doping agent in the production of semiconductors.

Here are some key properties 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: It has a sharp, irritating odor.

Solubility: BCl₃ is soluble in some organic solvents, such as benzene and carbon tetrachloride.

Reactivity: Boron trichloride is highly reactive and can react with water to form hydrochloric acid and boric acid.

Catalyst: It is commonly used as a Lewis acid catalyst in various organic reactions, including Friedel-Crafts acylation and alkylation reactions.

Semiconductor industry: BCl₃ is utilized as a doping agent in the production of semiconductors, specifically in the manufacture of p-type silicon.

Chemical synthesis: It is employed in the synthesis of various organic compounds, such as pharmaceuticals, polymers, and agricultural chemicals.

It's important to note that handling boron trichloride requires caution due to its reactivity and toxic nature. Proper safety precautions and equipment should be used 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	300,000 tons/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

Packaging & Shipping

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

Detailed Photo

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.

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			



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