China Wholesale Chemical synthesis 99.999% Cylinder Gas 6n Bcl3 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 $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

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	-107.3ºC
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

Packaging & Shipping

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

Detailed Photo

Detailed Photos


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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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