



China Wholesale Cylinder Gas best price High purity 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\$15-18/kg
- Packaging Details: Cylinder
- Delivery Time: 15 days
- Payment Terms: T/T
- Supply Ability: 300000tons/Year

Boron Trichloride



Product Specification

- Product Name: Boron Trichloride Gas
- Cylinder Pressure: 15MPa/20MPa
- Cylinder Standard: GB/ISO/DOT
- Melting Point: -107.3°C
- Boiling Point: 12.5°C
- HS Code: 2812191090
- Highlight: Boron Trichloride speciality gases pvt ltd,
Bcl3 speciality gases pvt ltd,
Bcl3 gas specialty company



Boron Trichloride

More Images



Product Description

China Wholesale Cylinder Gas best price High purity Bcl3 Boron Trichloride

Boron trichloride, or BCl₃, is a chemical compound composed of boron and chlorine. It is a colorless, toxic gas with a pungent odor. Boron trichloride is notable for its electron-deficient nature, as boron only has three valence electrons and forms three covalent bonds with chlorine atoms in this compound.

BCl₃ is primarily used as a reagent in organic synthesis and as a catalyst in various chemical reactions. It is known to react with nucleophiles, such as alcohols and amines, to form boron compounds. Additionally, it can act as a Lewis acid, accepting pairs of electrons from Lewis bases in chemical reactions.

Due to its toxic and reactive nature, boron trichloride should be handled with caution. It can cause severe burns upon contact with the skin or eyes and can be harmful if inhaled or ingested. Proper safety measures, including the use of protective equipment and working in a well-ventilated area, should be followed when working with BCl₃.

Molecular Weight	117.19	Density	1.35Kg/m ³
Melting Point	-107.3°C	Boiling Point	12.5°C
Appearance	Colorless Fuming Liquid or Gas with a Pungent	Un No.	1741
DOT Class	2.3&8	Valve	CGA660
Cylinder Standard	GB/ISO/DOT	Cylinder Pressure	12.5Mpa/15Mpa/20Mpa
Transport Package	40L,47L,50L	Specification	99.9%
Trademark	CMC	Origin	China
HS Code	2812191090	Production Capacity	300000tons/Year

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	≤ 300
Tetrachloride	ppm

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

Company Profile

ShangHai CMC 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.

Boron Trichloride



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	AsH ₃	C ₂ H ₄	C ₂ H ₂	HBr	COS	Ar+O ₂
TMAI	DMZn	DEZn	GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	Xe+NO



Monitor



Laboratory



Equipment

Zone of rectification



Gas filling



Equipment





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