



Cylinder Gas semiconductor application 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 \$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: Cga660
- Cylinder Pressure: 15MPa/20MPa
- Appearance: Colorless Fuming Liquid Or Gas With A Pungent
- Model No.: Boron Trichloride
- Specification: 40L, 47L, 50L
- Trademark: CMC
- Origin: China
- HS Code: 28121910
- Supply Ability: 300, 000tons/Year
- CAS No.: 10294-34-5
- Formula: Bcl3
- EINECS: 233-658-4
- Constituent: Industrial Pure Air



More Images



Product Description

Industrial Grade Specialty Gas Cylinder 99.9% Boron Trichloride Bcl3

BCL3, also known as boron trichloride, is a chemical compound composed of boron and chlorine atoms. It is a colorless gas with a pungent odor and is commonly used in various industrial applications. Here are some key points about BCL3:

Chemical Formula: BCl₃

Molecular Weight: 117.17 g/mol

Structure: BCL3 molecule consists of one boron atom (B) bonded to three chlorine atoms (Cl) via covalent bonds.

Physical Properties: Boron trichloride is a gas at room temperature and atmospheric pressure. It has a boiling point of -76.8 °C (-106.2 °F) and a melting point of -107.4 °C (-161.3 °F).

Odor: BCL3 has a strong, pungent, and irritating odor, similar to that of chlorine gas.

Chemical Reactivity: It is highly reactive and can readily react with various substances, including water, alcohols, and bases.

Production: BCL3 is typically produced by the reaction of boron oxide (B₂O₃) or boron trioxide with chlorine gas.

Uses: Boron trichloride has several industrial applications. It is used as a catalyst in chemical reactions, particularly in the production of polymers like polypropylene and polyethylene. It is also utilized in the synthesis of boron compounds, as a doping agent in the semiconductor industry, and as a reagent in organic chemistry.

Safety Considerations: BCL3 is toxic and corrosive. It can cause severe burns upon contact with the skin, eyes, or mucous membranes. Inhalation of the gas or its vapors can result in respiratory tract irritation, coughing, and difficulty breathing. It should be handled with proper safety precautions and in well-ventilated areas.

Please note that if you have any specific questions or need more detailed information about BCL3, feel free to ask!

Basic Info.

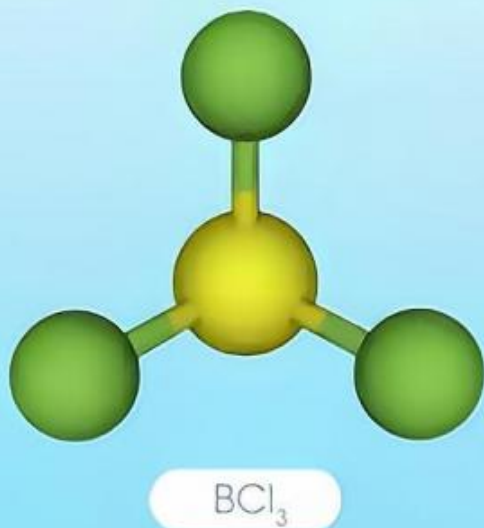
Model NO.	Bcl3 Gas	DOT Class	2.3 & 8
Un No	1741	Cylinder Standard	GB/ISO/DOT
Cylinder Pressure	15MPa/20MPa	Valve	Cga660
Melting Point	-107.3 °C	Appearance	Colorless Fuming Liquid or Gas with a Pungent
Boiling Point	12.5 °C	Density	1.35 Kg/M³
Molecular Weight	117.19	Transport Package	40L, 47L, 50L
Specification	99.9%, 99.999%	Trademark	CMC
Origin	China	HS Code	28121910
Production Capacity	300, 000tons/Year		

Product Description



Product

Boron Trichloride BCl₃



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



Our

Advantages

1. Our factory produces propane from high quality raw material, besides the price is cheap.
2. The propane is produced after many times procedures of purification and rectification in our factory. The online control system insures the gas purity every stage. The finished product must meet the standard.
3. During the filling, the cylinder should firstly be dried for a long time (at least 16hrs), then we vacuumize the cylinder, finally we displace it with the original gas. All these methods make sure that the gas is pure in the cylinder.

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	Ar+O ₂	Xe+NO		
GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄				



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