



Boron Trichloride Laboratory Reactions Reagent Cylinder Gas Manufacturing Electronic Devices Bcl3 Gas

Our Product Introduction

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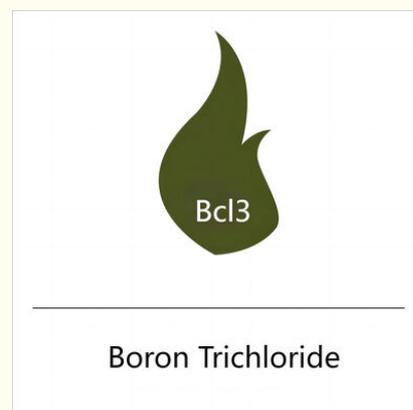
Basic Information

- 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
- Supply Ability: 300,000tons/year



Product Specification

- Product Name: Boron Trichloride
- Melting Point: -107.3°C
- Cylinder Pressure: 15MPa/20MPa
- Boiling Point: 12.5°C
- Cylinder Standard: GB/ISO/DOT
- Appearance: Colorless Fuming Liquid Or Gas With A Pungent
- Valve: Cga660
- Model No.: Boron Trichloride
- Transport Package: Cylinder Pressure
- Specification: 40L/47L/50L 99.9999%
- Trademark: CMC
- Origin: China
- HS Code: 2804290000
- Supply Ability: 2000piece/Month



More Images



Product Description

Product Description

Boron trichloride, commonly abbreviated as BCl₃, is a chemical compound composed of one boron atom and three chlorine atoms. It is a colorless gas with a pungent odor. Here are a few key points about BCl₃:

Chemical Formula: BCl₃

Molecular Weight: 117.17 g/mol

Physical State: BCl₃ is a gas at room temperature and atmospheric pressure. It readily evaporates into a gas from its liquid state.

Odor: It has a strong, unpleasant odor that is often described as being similar to chlorine.

Reactivity: BCl₃ is highly reactive and acts as an electron-deficient molecule. It readily accepts electron pairs from other compounds, making it a Lewis acid.

Solubility: It is sparingly soluble in water but dissolves readily in organic solvents such as benzene and carbon tetrachloride.

Uses: BCl₃ has several applications, including:

As a catalyst in organic synthesis, particularly in the production of pharmaceuticals and polymers.

In the semiconductor industry, it is used for doping silicon wafers during the manufacturing of electronic devices.

As a reagent in laboratory reactions, such as the preparation of boron-containing compounds.

It is also used in the production of boron fibers and boron nitride ceramics.

It's important to note that BCl₃ is a toxic and corrosive substance. Proper precautions, such as working in a well-ventilated area and wearing appropriate protective equipment, should be taken when handling or working with it.

Basic Info.

Model NO.	BCl ₃	Transport Package	Cylinder
Specification	47L/50kg	Trademark	CMC
Origin	Suzhou, China	HS Code	2812190091
Production Capacity	1000t/Year		

Dangerous chemicals. Mainly used as semicond- uctor silicon doping source or organic synthesis catalyst, but also used in high purity boron or organoborate preparation. It is harmful to human health if inhaled, taken orally or absorbed through the skin.

Product Specifications:

Series Number	Items	CAS Number	Test Result
1	BCl ₃	10294-34-5	≥99.9%
2	Cl ₂	/	0.01%
3	O ₂	/	0.02%
4	N ₂	/	0.04%

Detailed Photo



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	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



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