



## 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 BCl<sub>3</sub> Boron Trichloride

Boron trichloride, or BCl<sub>3</sub>, 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.

BCl<sub>3</sub> 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 BCl<sub>3</sub>.

|                   |                                               |                     |                       |
|-------------------|-----------------------------------------------|---------------------|-----------------------|
| Molecular Weight  | 117.19                                        | Density             | 1.35Kg/m <sup>3</sup> |
| 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: H<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>, Ar, CO<sub>2</sub>, propane, acetylene, helium, laser mixed gas, SiH<sub>4</sub>, SiH<sub>2</sub>Cl<sub>2</sub>, SiHCl<sub>3</sub>, SiCl<sub>4</sub>, NH<sub>3</sub>, CF<sub>4</sub>, NF<sub>3</sub>, SF<sub>6</sub>, HCL, N<sub>2</sub>O, doping mixed gas (TMB, PH<sub>3</sub>, B<sub>2</sub>H<sub>6</sub>) and other electronic gases.

# Boron Trichloride



|                    |                                |                               |                                                                                      |                               |                               |                   |                   |                                 |
|--------------------|--------------------------------|-------------------------------|--------------------------------------------------------------------------------------|-------------------------------|-------------------------------|-------------------|-------------------|---------------------------------|
| SiCl <sub>4</sub>  | NH <sub>3</sub>                | NH <sub>3</sub>               | CH <sub>3</sub> F                                                                    | SiH <sub>4</sub>              | Kr                            | H <sub>2</sub> S  | WF <sub>6</sub>   | F <sub>6</sub> +Cl <sub>2</sub> |
| 4MS                | C <sub>3</sub> F <sub>8</sub>  | C <sub>3</sub> F <sub>8</sub> | TEOS                                                                                 | CH <sub>4</sub>               | PH <sub>3</sub>               | SF <sub>6</sub>   | C <sub>2</sub>    | HCl+Ne                          |
| CF <sub>4</sub>    | C <sub>4</sub> F <sub>8</sub>  | SiH <sub>2</sub>              |  |                               |                               |                   |                   | TMB+H <sub>2</sub>              |
| SiF <sub>4</sub>   | C <sub>3</sub> H <sub>8</sub>  | Cl <sub>2</sub>               |                                                                                      |                               |                               |                   |                   | He +As                          |
| BBr <sub>3</sub>   | C <sub>3</sub> H <sub>6</sub>  | DCE                           |                                                                                      |                               |                               |                   |                   | Ge+Se                           |
| POCl <sub>3</sub>  | N <sub>2</sub>                 | SO <sub>2</sub>               |                                                                                      |                               |                               |                   |                   | D+B                             |
| BCl <sub>3</sub>   | D <sub>2</sub>                 | CO <sub>2</sub>               |                                                                                      |                               |                               |                   |                   | CO+NO                           |
| SiHCl <sub>3</sub> | CH <sub>2</sub> F <sub>2</sub> | HF                            | AsH <sub>3</sub>                                                                     | C <sub>2</sub> H <sub>4</sub> | C <sub>2</sub> H <sub>2</sub> | HBr               | COS               | Ar+O <sub>2</sub>               |
| TMAI               | DMZn                           | DEZn                          | GeH <sub>4</sub>                                                                     | C <sub>2</sub> H <sub>6</sub> | B <sub>2</sub> H <sub>6</sub> | H <sub>2</sub> Se | GeCl <sub>4</sub> | Xe+NO                           |



**Monitor**

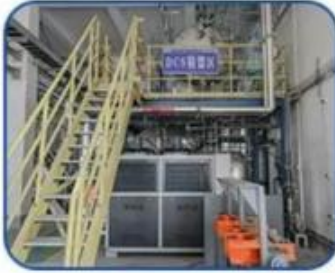


**Laboratory**



**Equipment**

**Zone of rectification**



**Gas filling**



**Equipment**







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