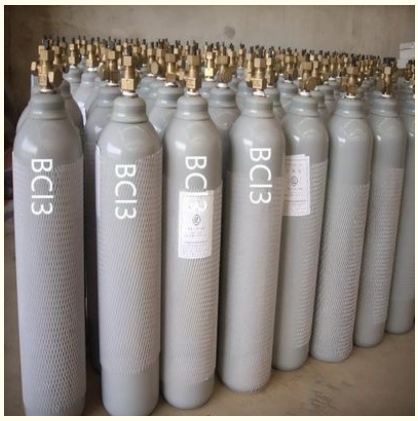
Cylinder Gas Chemical Industry High Purity Factory Price Bcl3 Gas Boron Trichloride

Our Product Introduction

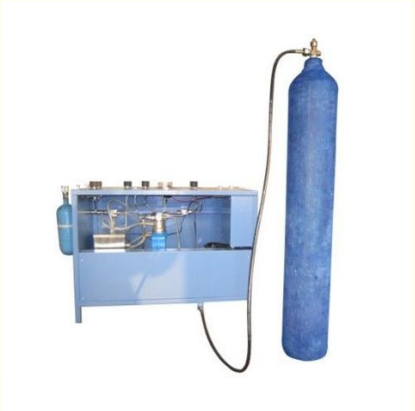
Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Bcl3
- Minimum Order Quantity: 1kg
- Price: US $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
- Boiling Point: 12.5ºC
- Molecular Weight: 117.19
- Melting Point: -107.3ºC
- Cylinder Pressure: 12.5MPa/15MPa/20MPa
- Transport Package: 40L/47L/50L
- Specification: 40L/47L/50L
- Origin: China
- HS Code: 2812191090
- Supply Ability: 300, 000tons/Year
- CAS No.: 10294-34-5
- Formula: Bcl3
- EINECS: 233-658-4
- Constituent: Industrial Pure Air
- Grade Standard: Industrial Grade



More Images

Product Description

Product Description

Boron trichloride, often abbreviated as BCl3, is a chemical compound composed of boron and chlorine. It is a colorless gas at room temperature and is known for its strong, irritating odor. Here are some key points about BCl3:

Chemical Formula: BCl3

Molecular Weight: 117.17 g/mol

Physical State: Boron trichloride is a gas at room temperature. It can be condensed into a liquid form at low temperatures or under high pressure.

Odor: BCl3 has a pungent and unpleasant odor. It is often described as being similar to that of chlorine gas.

Structure: BCl3 has a trigonal planar molecular geometry, with the boron atom in the center and three chlorine atoms attached to it, positioned at 120-degree angles from each other.

Reactivity: Boron trichloride is highly reactive and is used as a Lewis acid in various chemical reactions. It can act as an electron-pair acceptor and form coordination complexes with other molecules or ions.

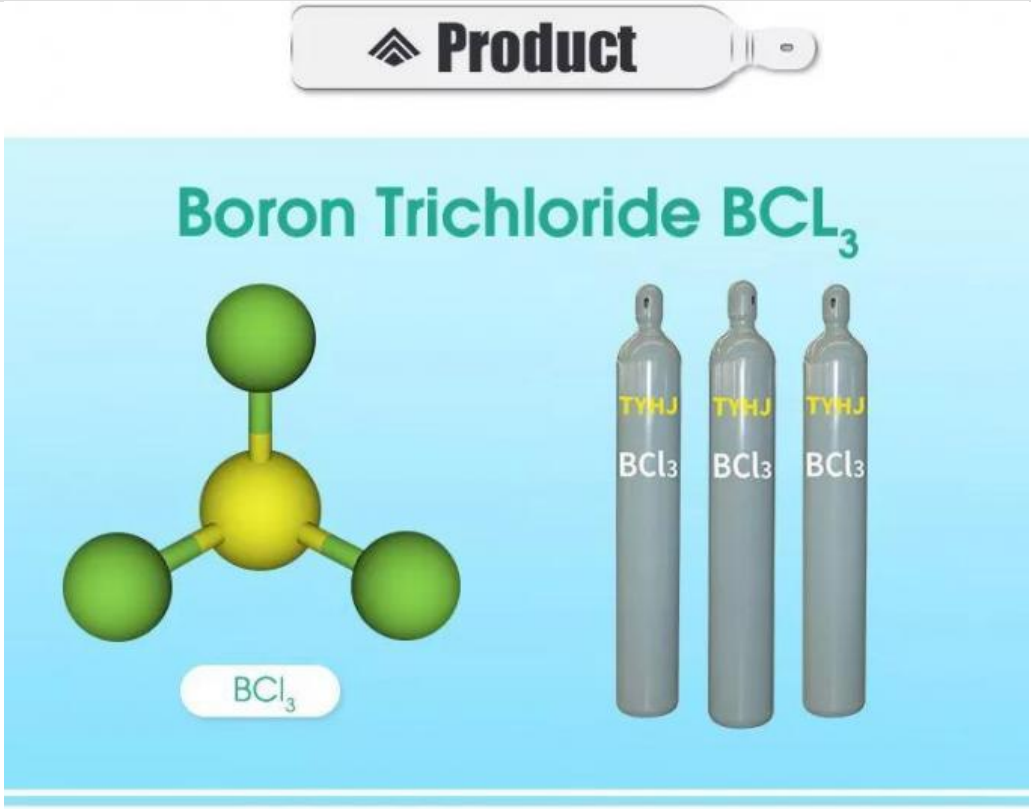
Uses: BCl3 has several applications in the chemical industry. It is commonly used as a catalyst in organic synthesis, particularly in the production of pharmaceuticals and fine chemicals. It is also utilized in the manufacture of boron compounds, as a dopant in semiconductors, and as a precursor for boron nitride and boron carbide materials.

Safety: Boron trichloride is toxic and corrosive. It can cause severe irritation to the eyes, skin, and respiratory system. Proper safety precautions, such as using appropriate protective equipment and working in a well-ventilated area, should be followed when handling 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/M

Product Description



Specification:

Dot Class: 2.3
State: Liquid
Purity: 99.9%
UN NO:UN1741

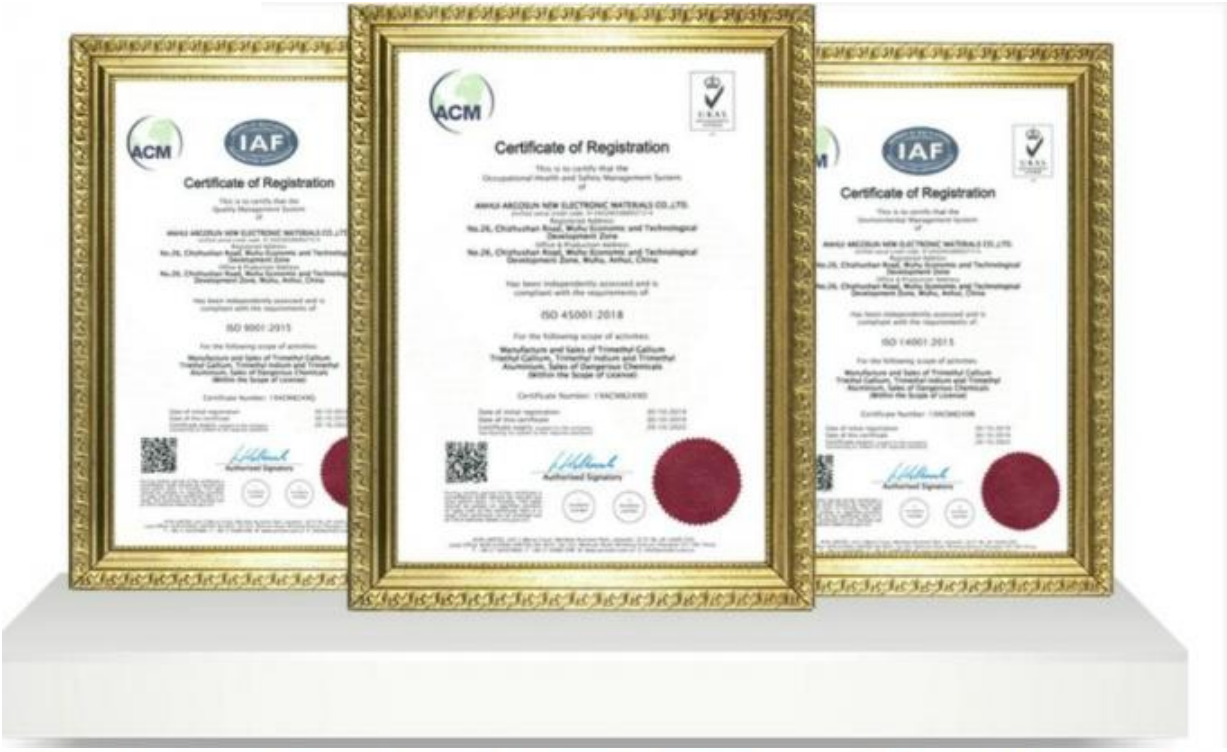
CAS NO: 10294-34-5
Grade Standard: Industrial Grade

Specification	99.9%
Chlorine	≤ 10 ppm
Silicon Tetrachloride	≤ 300 ppm

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.



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