China Cylinder Gas Best Price Bcl3 High Purity 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

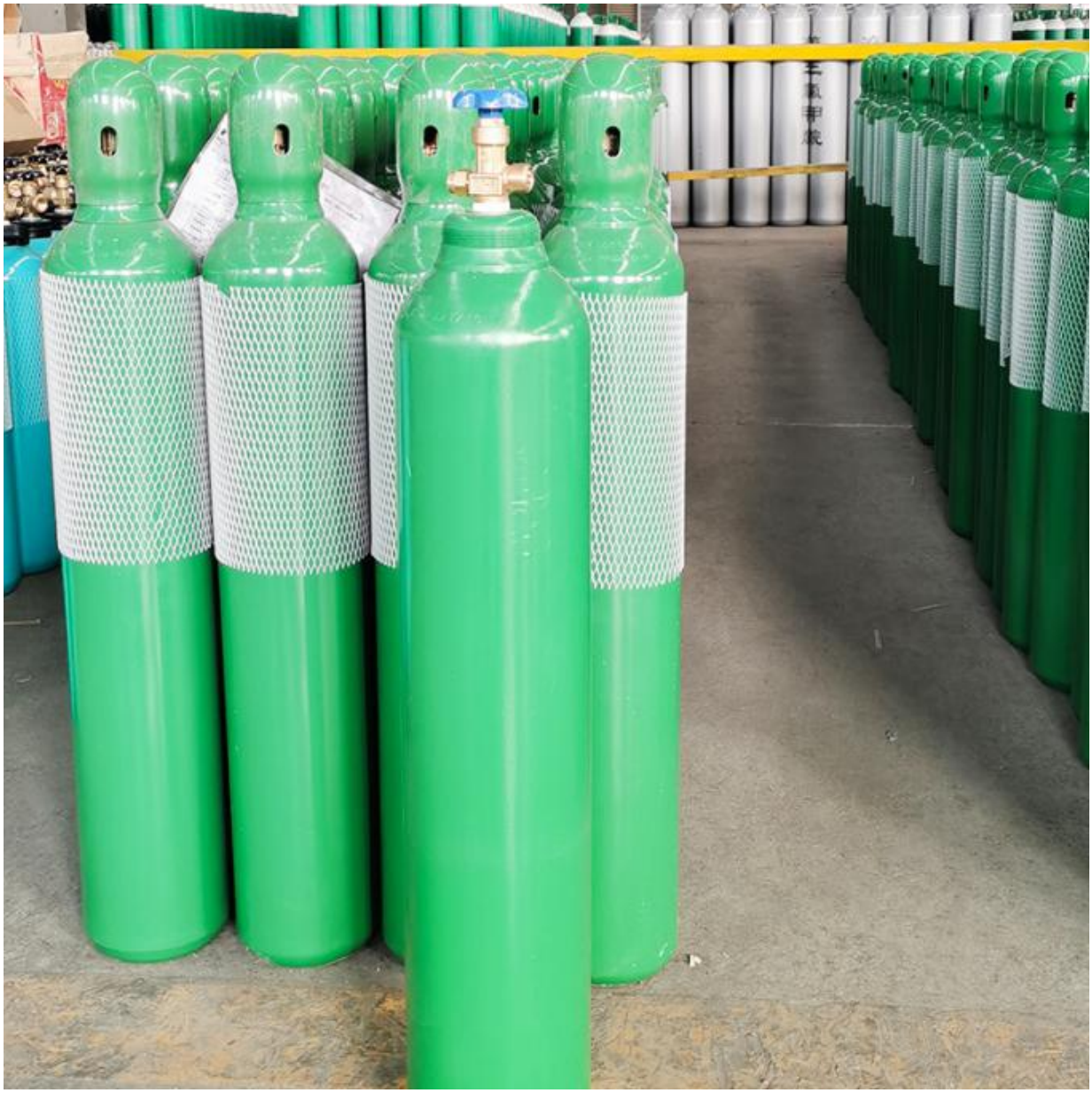
- Product Name: Boron Trichloride
- Boiling Point: 12.5ºC
- Bcl3: China
- Molecular Weight: 117.19
- Melting Point: -107.3ºC
- Cylinder Pressure: 12.5MPa/15MPa/20MPa
- Transport Package: 40L/47L/50L
- Specification: 40L/47L/50L
- Origin: China
- HS Code: 2812191090
- Supply Ability: 300, 000tons/Year
- CAS No.: 10294-34-5
- Formula: Bcl3
- EINECS: 233-658-4
- Constituent: Industrial Pure Air

More Images

Product Description

Boron trichloride, often abbreviated as BCl3, is a chemical compound composed of boron and chlorine. It is a colorless, toxic gas with a pungent odor. Here are some key characteristics of BCl3:

Molecular Structure: BCl3 has a trigonal planar molecular geometry, with the boron atom at the center and the three chlorine atoms evenly distributed around it.
Physical Properties: As a gas, BCl3 has a boiling point of -107.5°C (-161.5°F) and a melting point of -107.8°C (-162.0°F). It is highly soluble in organic solvents but only slightly soluble in water.
Chemical Reactivity: Boron trichloride is a Lewis acid, meaning it is an electron pair acceptor. It readily reacts with Lewis bases to form adducts. For example, it reacts with ammonia (NH3) to form boron trihalide-ammonia complexes.
Industrial Uses: BCl3 has several applications in industry, including as a catalyst in chemical reactions, a reagent in organic synthesis, and as a dopant in the semiconductor industry for the production of boron-doped silicon.
Safety Considerations: Boron trichloride is highly toxic and corrosive. It can cause severe burns upon contact with the skin and eyes. Inhalation of the gas can result in respiratory irritation and damage. Proper precautions, such as working in a well-ventilated area and using appropriate protective equipment, are necessary when handling BCl3.



Boron trichloride. BCl_3

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 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.

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