



Wholesale 99.999% 5n high purity Cylinder Gas PH3 Gas Phosphine

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: PH3
- Minimum Order Quantity: 1kg
- Price: US\$ 13000/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 5000kg/month

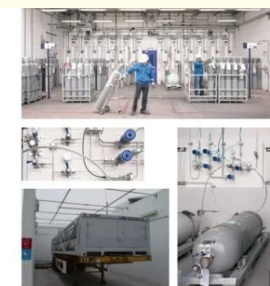


Product Specification

- Product Name: Phosphine Gas
- Boiling Point: -87.5 °C
- Melting Point: -133.8 °C
- Appearance: Colorless
- Transport Package: 20L, 40L, 470L
- Specification: 20L, 40L, 470L
- Trademark: CMC
- Origin: China
- HS Code: 281219009
- Supply Ability: 600t/Year
- CAS No.: 7783-82-6
- Formula: PH3
- EINECS: 7783-82-6
- Constituent: Industrial Pure Air
- Grade Standard: Electronic Grade



More Images



Product Description

Product Description

Phosphine gas, also known as phosphorus trihydride or PH₃, is a colorless, flammable, and toxic gas with a pungent odor. It consists of one phosphorus atom bonded to three hydrogen atoms.

Phosphine is produced through various methods, including the reaction of metal phosphides with water or acids, or by the reduction of phosphorus compounds with reducing agents. It is commonly used in industrial and laboratory settings for different purposes.

One of the significant applications of phosphine gas is in the semiconductor industry. It is used as a dopant source for the deposition of thin films during the production of microelectronic devices. Phosphine gas is introduced into chemical vapor deposition (CVD) or atomic layer deposition (ALD) processes to incorporate phosphorus in the semiconductor material, altering its electrical properties.

Phosphine is also used in the manufacture of specialty chemicals, as a reducing agent in organic synthesis, and as a fumigant for stored grain and agricultural products. Additionally, it has some limited applications in the field of insecticide and pesticide production.

It's important to note that phosphine gas is highly toxic and poses a significant health hazard. Exposure to high concentrations of phosphine can cause respiratory distress, nausea, dizziness, and even death. Proper safety precautions, such as adequate ventilation and personal protective equipment, should be followed when handling or working with phosphine gas.

Basic Info.

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|----------------------|--------------|-------------------|------------|
| Model No: | PH3 | Transport Package | Y-Cylinder |
| Specification: | 20L/40L/470L | Trademark | CMC |
| Origin: | Suzhou,China | HS Code | 2812190091 |
| Production Capacity: | 600t/Year | | |

Detailed Photos







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.


| | | | | | | | | |
|--------------------|--------------------------------|-------------------------------|--|-------------------|-------------------|------------------|-----------------|---------------------------------|
| 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 | | | |
| GeH ₄ | C ₂ H ₆ | B ₂ H ₆ | H ₂ Se | GeCl ₄ | Xe+NO | | | |



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