



## Used in Lighting Lasers & Imaging Techniques Anesthetic & in Nuclear Applications Xenon

### Our Product Introduction

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#### Basic Information

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



#### Product Specification

- Product Name: Xenon Gas
- Cylinder Pressure: 12.5MPa/15MPa/20MPa
- Appearance: Colorless, Odorless
- Boiling Point: -107.1°C
- Melting Point: -112 °C
- Transport Package: Sea Transportation
- Specification: Cylinder 1L 4L 8L 40L 50L
- Trademark: CMC
- Origin: Place Of Origin Jiangsu, China
- HS Code: 2804290000
- Supply Ability: 1000piece/Month
- CAS No.: 7440-63-3
- Formula: Xe
- EINECS: 231-172-7
- Constituent: Industrial Pure Air



#### More Images



## Product Description

### Product Description

Xenon is a chemical element with the symbol Xe and atomic number 54. Here are some key points about xenon:

Chemical Symbol: Xe

Atomic Number: 54

Atomic Weight: 131.29 atomic mass units

State at Room Temperature: Xenon is a colorless, odorless, and tasteless noble gas. It is one of the heaviest stable gases and has a high density.

Noble Gas: Xenon belongs to the noble gas group on the periodic table, which means it is chemically inert and does not readily react with other elements. It has a full outer electron shell, making it stable and unreactive under normal conditions.

Occurrence: Xenon is present in trace amounts in the Earth's atmosphere, estimated to be about 0.0000087% by volume. It is obtained as a byproduct of the liquefaction and separation of air.

Uses: Xenon has several applications in various fields. It is used in lighting, particularly in high-intensity discharge lamps, where its bright white light is desirable. Xenon is also used in certain types of lasers, such as excimer lasers used in medical and scientific applications. Additionally, xenon is used in some specialized imaging techniques, such as xenon-enhanced computed tomography (CT) scans.

Anesthetic Properties: Xenon has anesthetic properties and can be used as a general anesthetic in certain medical procedures. It has advantages over other anesthetic gases due to its low solubility in blood, rapid onset, and minimal side effects.

Nuclear Applications: Xenon-133, a radioactive isotope of xenon, is used in nuclear medicine for lung ventilation imaging and blood flow studies. Xenon isotopes are also used in nuclear reactors for research, control rods, and neutron detectors.

Xenon Compounds: Although xenon is mostly unreactive, it can form compounds under specific conditions, such as with highly electronegative elements or in the presence of strong oxidizing agents. Some examples of xenon compounds include xenon hexafluoroplatinate (XePtF6) and xenon tetrafluoride (XeF4).

#### Basic Info.

Transport Package:	8L/10L/40L/47L/50L	Melting Point	-112 °C
Trademark:	CMC	Boiling Point	-107.1°C
Specification	100.00%	Production Capacity	1000, 000liter/Year
Cylinder Pressure	12.5MPa/15MPa/20MPa	Cylinder Pressure	12.5MPa/15MPa/20MPa

#### Specification:

Dot Class: 2.2  
State: Gas  
Purity: 99.999%  
UN NO: UN2036  
CAS NO: 7740-63-3  
Grade Standard: Industrial Grade

Specification	99.999%
Hydrogen	≤ 0.5 ppm
Oxygen + Argon	≤ 1.5 ppm
Nitrogen	≤ 2.5 ppm
Carbon Dioxide	≤ 0.2 ppm
Carbon Monoxide	≤ 0.3 ppm
Methane	≤ 0.3 ppm
Krypton	≤ 2.0 ppm
Fluor chemical	≤ 0.5 ppm
Nitrous Oxide	≤ 0.2 ppm
Moisture	≤ 2.0 ppm

#### Detailed Photos



#### Packaging & Shipping

#### Cylinder Specifications Contents Pressure

Cylinder Capacity	Valve	Volume	bar	psig
40L	CGA580	6 m3	150	2175
47L	CGA580	7 m3	150	2175
50L	CGA580	10 m3	200	2900

#### 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: 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.

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						Ar+O <sub>2</sub>
TMAI	DMZn	DEZn						Xe+NO
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>			
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			



 Shanghai Kemike Chemical Co.,Ltd

+86 18762990415

williamchen@cmc-chemical.com

gascylindertank.com