Nuclear Energy Lighting Applications Medical Anesthesia Xenon Gas

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Xe
- Minimum Order Quantity: 1kg
- Price: US $ 9.5/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 20000 Tons/Year

Product Specification

- Product Name: Xenon Gas
- Purity: 99.999%
- Model No.: Xenon Gas
- Pressure: 12.5MPa
- Cylinder: 8L/10L/50L
- Transport Package: 8L/10L/50L
- Specification: 8L/10L/50L 99.999%
- Origin: China
- Supply Ability: 2000piece/Month
- CAS No.: 7440-63-3
- Formula: Xe
- EINECS: 231-172-7
- Constituent: Industrial Pure Air
- Grade Standard: Electronic Grade, Industrial Grade
- Chemical Property: Combustion-Supporting Gas

More Images

Product Description

Xenon is a chemical element with the symbol Xe and atomic number 54. It belongs to the noble gases group on the periodic table. Xenon is a colorless, odorless, and dense gas that occurs naturally in trace amounts in the Earth's atmosphere.

Here are some key characteristics and uses of xenon gas:

Density and Stability: Xenon is a heavy gas, about five times denser than air. It is chemically stable and non-reactive under normal conditions.

Lighting: Xenon gas is commonly used in specialized lighting applications. When an electric current is passed through xenon, it emits a bright, white light. This property makes it useful in xenon arc lamps, which are used in movie projectors, high-intensity discharge (HID) lamps, and some photographic flashes.

Medical Uses: Xenon has applications in medicine, particularly in anesthesia. It can be used as an anesthetic agent, either alone or in combination with other gases, due to its low solubility in blood and tissues. Xenon anesthesia is considered to be safer than other anesthetics because it has minimal effects on the cardiovascular and respiratory systems.

Nuclear Energy: Xenon is produced as a byproduct in nuclear reactors and is used in nuclear energy applications. It acts as a coolant and a neutron absorber in certain types of reactors.

Research and Development: Xenon gas is used in various research and development applications. It is employed in gas-discharge lamps for spectroscopy, in plasma physics experiments, and as a target for nuclear reactions.

Lighting and Display Technology: Xenon is also used in certain specialized lighting and display technologies, such as xenon flash lamps used in high-speed photography, strobe lights, and some types of plasma and LED displays.

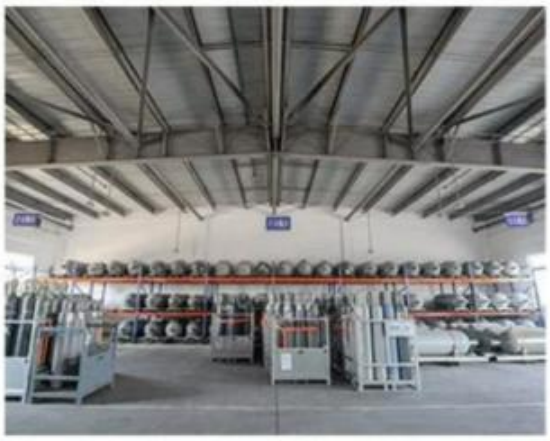
It's worth noting that while xenon gas has several important applications, it is relatively rare and expensive compared to other gases. Its uses are often limited to specialized and specific applications rather than widespread usage.

Product Name	Xenon
Molecular Formula	Xe
CAS	7440-63-3
EINECS No.	231-172-7
Grade	Electron Grade, Industrial Grade
Place Of Origin	Jiangsu, China
Purity	99.999%- 99.9999%-
Hazard Class	2.2
Molecular Weight	131.29
UN	2036
Boiling Point(ºC)	(-108.13°C)
Packing Detail	Cylinder: 50L(DOT) Valve:CGA580

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.

SiCl4	NH3	NH3	CH3F	SiH4	Kr	H2S	WF6	F6+Cl2
4MS	C3F8	C3F8	TEOS	CH4	PH3	SF6	C2	HCl+Ne
CF4	C4F8	SiH2						TMB+H2
SiF4	C3H8	Cl2						He +As
BBr3	C3H6	DCE						Ge+Se
POCl3	N2	SO2						D+B
BCl3	D2	CO2						CO+NO
SiHCl3	CH2F2	HF	AsH3	C2H4	C2H2	HBr	COS	Ar+O2
TMAl	DMZn	DEZn	GeH4	C2H6	B2H6	H2Se	GeCl4	Xe+NO



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