



8L 10L 20L 40L Cylinder Gas Medical N2o Nitrous Oxide

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: N2O
- Minimum Order Quantity: 1kg
- Price: US \$8/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 20000 Tons/Year



Product Specification

- Product Name: Nitrous Oxide
- Valve: Qf-2/Cga540
- Appearance: Colorless
- Cylinder Pressure: 15MPa/20MPa
- Cylinder Standard: DOT/ISO/GB
- Transport Package: Sea Transportation
- Specification: 40L/47L/50L
- Trademark: CMC
- Origin: China
- HS Code: 2811290090
- Supply Ability: 20,000ton/Year
- CAS No.: 10024-97-2
- Formula: N2O
- EINECS: 233-032-0
- Constituent: Industrial Pure Air



More Images



Product Description

Product Description

Nitrous oxide (N₂O), also known as laughing gas, is a chemical compound composed of two nitrogen atoms bonded to one oxygen atom. Here are some key points about nitrous oxide:

Properties: Nitrous oxide is a colorless and non-flammable gas at room temperature and pressure. It has a slightly sweet odor and taste. Nitrous oxide is denser than air and is soluble in both water and alcohol.

Production: Nitrous oxide can be produced through various methods. One common method involves the thermal decomposition of ammonium nitrate, a chemical compound commonly found in fertilizers. Nitrous oxide can also be produced as a byproduct of certain industrial processes and combustion reactions.

Uses:

Medical and Dental Applications: Nitrous oxide is commonly used as an anesthetic agent in medical and dental procedures. It is administered in a controlled mixture with oxygen to induce analgesia and conscious sedation.

Recreational Use: Nitrous oxide has psychoactive effects and can cause euphoria, relaxation, and altered perceptions when inhaled. It is sometimes used recreationally for its dissociative and mildly hallucinogenic properties. However, recreational use carries risks, and it is important to use nitrous oxide responsibly and avoid potential health hazards.

Food Industry: Nitrous oxide is used as a propellant in aerosol whipped cream dispensers. Its solubility in fats allows it to dissolve into cream, creating a whipped texture when dispensed.

Automotive and Motorsports: Nitrous oxide is used as a performance-enhancing additive in certain types of racing vehicles. When injected into the engine's combustion chamber, it provides additional oxygen, resulting in increased power output.

Industrial Applications: Nitrous oxide finds use as an oxidizer in various industrial processes, such as the production of certain chemicals, including nylon and nitric acid. It can also be used for the oxidation of metals and in rocket propellants.

Environmental Impact: Nitrous oxide is considered a potent greenhouse gas that contributes to global warming and ozone depletion. Emissions of nitrous oxide primarily result from agricultural activities, industrial processes, and combustion of fossil fuels.

It's important to note that the recreational use of nitrous oxide can be dangerous, and improper use can lead to serious health risks or even fatalities. If used for medical or dental purposes, nitrous oxide should only be administered by trained professionals in controlled settings.

Basic Info.

DOT Class	2.2&5.1	Un No	1070
Cylinde	DOT/ISO/GB	Cylinder Pressure	15MPa/20MPa
Valve	Cga540	Melting Point	-91 °C
Appearance	Colorless	Boiling Point	-88 °C
Density	1.8 Kg/m³	Molecular Weight	44.013
Transport Package	40L, 47L, 50L	Specification	99.9%, 99.999%
Trademark	CMC	Origin	China
HS Code	2811290090	Production Capacity	20, 000ton/Year

Specification:

CAS No.: 10024-97-2

EINECS No.: 233-032-0

UN No.: UN1070

Purity: 99.9%

Dot Class: 2.1&5.1

Appearance: Colorless

Grade Standard: Medical Grade, Industrial Grade

N ₂ O - Nitrous Oxide	99.9% min	Units
CO	≤20	ppm
O ₂ +Ar	≤200	ppm
N ₂	≤600	ppm
H ₂ O	≤30	ppm

Detailed Photos







Packaging & Shipping

Product	Nitrous Oxide N ₂ O		
Package Size	40Ltr Cylinder	50Ltr Cylinder	T75 ISO Tank
Filling Net Weight/Cyl	24Kgs	30Kgs	19 Tons
QTY Loaded in 20'Container	250 Cyls	250 Cyls	1 Unit
Total Net Weight	6.0 Tons	7.5 Tons	19 Tons
Cylinder Tare Weight	50Kgs	55Kgs	8170kgs
Valve	CGA540		

Company

Profile

About us



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	
			GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	



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