



China best price 99.9% Pure Laughing Gas N₂O Medical Gas 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
- Cylinder Pressure: 60bar
- Boiling Point: -88 C
- Purity: 99.9999%
- Valve: Cga326
- Density: 1.8 Kg/M³
- Melting Point: -91 C
- Transport Package: Sea Transportation
- Specification: 4L 8L 40L
- Trademark: CMC
- Origin: Suzhou, China
- HS Code: 2811290090
- Supply Ability: 10000ton/Year
- CAS No.: 10023-97-2
- Formula: N₂O



More Images



Product Description

Product Description

Nitrous oxide (N₂O), also known as laughing gas or nitrous, 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 odorless gas at room temperature and pressure. It is non-flammable and has a slightly sweet taste.

Nitrous oxide exists as a gas, but it can be compressed into a liquid form under high pressure.

Production: Nitrous oxide can be produced through various methods. One common method is the thermal decomposition of ammonium nitrate, a compound found in fertilizers. Nitrous oxide can also be a byproduct of certain industrial processes, such as the production of nitric acid.

Medical and Dental Use: Nitrous oxide has been used as an anesthetic in medical and dental procedures for over a century. It is administered in combination with oxygen to induce a state of conscious sedation, providing pain relief and relaxation during minor surgeries or dental work.

Recreational Use: Nitrous oxide is sometimes abused for its euphoric and dissociative effects. Inhaled nitrous oxide can produce a brief period of intoxication, often referred to as "laughing gas," which may cause a sense of lightheadedness, dizziness, and laughter. Recreational use of nitrous oxide can be dangerous and potentially harmful if misused or used in excessive amounts.

Engine Performance: Nitrous oxide is used in motorsports and automotive applications as a performance-enhancing additive. When injected into the engine's intake system, nitrous oxide provides additional oxygen, allowing for increased fuel combustion and generating more power. This is commonly referred to as "nitrous" or "NOS" in the automotive community.

Environmental Impact: Nitrous oxide is classified as a greenhouse gas and contributes to climate change. It has a relatively long atmospheric lifetime and is about 300 times more potent as a greenhouse gas than carbon dioxide. Nitrous oxide emissions are associated with various human activities, including agricultural practices, industrial processes, and combustion of fossil fuels.

It's important to note that the misuse or abuse of nitrous oxide can have serious health risks, including oxygen deprivation, loss of consciousness, and even death. When used for medical or dental purposes, nitrous oxide should be administered by trained professionals in controlled settings.

Basic Info.

Molecular Weight	44.013	Density	1.8Kg/m ³
Melting Point	-91°C	Boiling Point	-88°C
Appearance	Colorless	Un No.	1070
DOT Class	2.2&5.1	Valve	CGA540
Cylinder Standard	GB/ISO/DOT	Cylinder Pressure	15Mpa/15Mpa/20Mpa
Transport Package	40L/47L/50L/ISO Tank Specification		99.9%,99.99%,99.999%
Trademark	CMC	Origin	China
HS Code	28112900	Production Capacity	20000ton/Year

Specification:

CAS No.: 10102-44-0

EINECS No.: 233-272-6

UN No.: UN1067

Purity: 99.5%

Dot Class: 2.3 & 5.1 & 8

Appearance: brownish red, pungent smell

Grade Standard: Industrial Grade

Specification 99.5%Unit	
Oxygen	≤65 ppm
Nitrogen	≤200 ppm
Nitric Oxide	≤100 ppm
Carbon Monoxide	≤10 ppm
Carbon Dioxide	≤300 ppm
THC	≤50 ppm

Product	Nitrogen Dioxide NO2	Nitrogen Dioxide NO2
Package Size	8Ltr Cylinder	47Ltr Cylinder
Filling Net Volume/Cyl	8Kgs	45Kgs
QTY Loaded in 20'Container	560Cyls	250Cyls
Cylinder Tare Weight	8kgs	50Kgs
Valve	CGA660	CGA660

Detailed Photo







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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