



Cylinder Gas Specialty Electronic Gas 99.999% 5n 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 \$8kg
- 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: Cga540
- Appearance: Colorless
- Boiling Point: -88°C
- Melting Point: -91°C
- Transport Package: 40L/47L/50L
- 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) is a chemical compound composed of two nitrogen atoms bonded to one oxygen atom. It is commonly known as "laughing gas" due to its euphoric and anesthetic effects when inhaled.

Here are some key points about nitrous oxide:

Properties: Nitrous oxide is a colorless and odorless gas with a slightly sweet taste. It is non-flammable and non-toxic, but it can support combustion. Nitrous oxide is denser than air and is often stored as a compressed gas or a liquid in pressurized containers.

Production: Nitrous oxide can be produced through several methods. One common method involves the thermal decomposition of ammonium nitrate, which releases nitrous oxide and water vapor. It can also be produced as a byproduct of certain industrial processes, such as the production of nitric acid.

Medical and Dental Uses: Nitrous oxide is widely used in medical and dental settings as an anesthetic and analgesic agent. It provides pain relief and induces a state of relaxation and sedation in patients during certain procedures. It is commonly used in combination with other anesthetics or oxygen.

Recreational Use: Nitrous oxide has a history of recreational use due to its euphoric effects. It can produce a brief period of mental and physical relaxation, altered perception, and laughter when inhaled in small amounts. However, recreational use carries risks, and excessive use can lead to oxygen deprivation, loss of consciousness, and potential harm.

Engine Performance: Nitrous oxide is also used in automotive and racing applications. It is commonly referred to as "nitrous" or "NOS" in this context. When injected into an engine's combustion chamber, nitrous oxide provides additional oxygen, resulting in increased power and performance. However, its use requires specific modifications and precautions to ensure safe and proper engine operation.

Environmental Impact: Nitrous oxide is considered a greenhouse gas and is involved in climate change. It has a relatively long atmospheric lifetime and contributes to the depletion of the ozone layer. Nitrous oxide emissions primarily come from agricultural activities, combustion processes, and industrial sources.

It's important to note that while nitrous oxide has various legitimate uses, its recreational use can be dangerous and pose health risks. It should only be used under proper medical supervision or in compliance with applicable regulations and guidelines.

Basic Info

Transport Package:	40L/47L/50L	Melting Point	-91°C
Trademark:	CMC	Boiling Point	-88°C
Specification	99.90%	Production Capacity	20,000ton/Year
Cylinder Pressure	12.5MPa/15MPa/20MPa	Valve	Cga540
Appearance	Colorless	Density	1.8 Kg/M3

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

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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