



China High Purity Nitrous Oxide Laughing Gas N₂O Gas

Our Product Introduction

for more products please visit us on gascylindertank.com

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
- Purity: 99.999%
- Grade: Electron Grade
- Transport: By Sea
- Model No.: Nitrous Oxide Gas
- 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 (N_2O), also known as laughing gas or nitrous, is a chemical compound consisting of two nitrogen (N) atoms bonded to one oxygen (O) atom. Here are some key points about nitrous oxide:

Properties: Nitrous oxide is a colorless and odorless gas at room temperature and atmospheric pressure. It is non-flammable but supports combustion. Nitrous oxide is denser than air and is soluble in water. It has a slightly sweet taste and is known for its anesthetic and psychoactive properties.

Medical and Dental Use: Nitrous oxide is commonly used as a mild anesthetic in medical and dental procedures. It is administered through inhalation to induce sedation, reduce pain, and increase patient comfort. Nitrous oxide is often combined with oxygen to create a balanced and safe mixture for anesthesia.

Recreational Use: Nitrous oxide has also been used recreationally for its euphoric and dissociative effects. When inhaled in high concentrations, it can produce a temporary sense of euphoria, relaxation, and altered perception. Due to its potential for abuse and associated risks, recreational use of nitrous oxide can be dangerous and is subject to legal restrictions in many jurisdictions.

Food Industry: Nitrous oxide is used as a propellant in aerosol whipped cream dispensers. When released from the canister, the pressure drop causes the nitrous oxide to rapidly expand, creating bubbles and giving whipped cream its fluffy texture.

Engine Performance: Nitrous oxide is utilized in automotive and racing applications as a performance-enhancing additive. It is injected into the engine's intake manifold, providing additional oxygen for combustion and enabling increased power output. This practice is commonly referred to as "nitrous" or "nitrous oxide injection."

Environmental Impact: Nitrous oxide is a greenhouse gas with a significant impact on climate change. It has a much higher global warming potential than carbon dioxide. Nitrous oxide emissions primarily result from agricultural activities, such as the use of nitrogen-based fertilizers and the microbial breakdown of organic matter in soil.

It is important to note that the recreational use of nitrous oxide can be hazardous and pose serious health risks, including oxygen deprivation, loss of consciousness, and nerve damage. Proper safety precautions and responsible use should be observed when handling or administering nitrous oxide.





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

N2O - Nitrous Oxide	99.9% min	Units
CO	≤20	ppm
O2+Ar	≤200	ppm
N2	≤600	ppm
H2O	≤30	ppm

Product	Nitrous Oxide N2O
---------	-------------------

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

ShangHai CMC 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	AsH ₃	C ₂ H ₄	C ₂ H ₂	HBr	COS	Ar+O ₂
TMAI	DMZn	DEZn	GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	Xe+NO

Workshop Display:



Monitor



Laboratory



Equipment

Zone of rectification



Gas filling



Equipment



 **Shanghai Kemike Chemical Co.,Ltd**

 +86 18762990415

 williamchen@cmc-chemical.com

 gascylindertank.com