



China 99.999% High Purity Electronic Grade Nitrous Oxide N₂O Gas

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: 15MPa/20MPa
- Boiling Point: -88 °C
- Melting Point: -91 °C
- Model No.: Nitrous Oxide Gas
- Cylinder Standard: DOT/ISO/GB
- Appearance: Colorless
- 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



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 odorless gas at room temperature. It is non-flammable and has a slightly sweet taste. Nitrous oxide is denser than air and can support combustion.

Production: Nitrous oxide can be produced through the thermal decomposition of ammonium nitrate or by the reaction of nitric oxide with oxygen. It is commonly produced on an industrial scale for various applications.

Medical and Dental Use: Nitrous oxide has analgesic (pain-relieving) and anesthetic properties, and it is used in medical and dental settings as a sedative. It is commonly administered through inhalation to induce relaxation and reduce pain during certain procedures.

Recreational Use: Nitrous oxide is also used recreationally for its euphoric and dissociative effects. It is often inhaled from small canisters or balloons, leading to a temporary state of altered consciousness and mild hallucinations. However, recreational use of nitrous oxide can be dangerous and has associated risks.

Food Industry: Nitrous oxide is used as a propellant in aerosol whipped cream dispensers. When released from the canister, it rapidly expands and creates a foamy texture in whipped cream and other culinary applications.

Engine Performance: Nitrous oxide can be used as a performance-enhancing additive in certain combustion engines. When injected into the engine's intake manifold, it provides additional oxygen, resulting in increased power output.

Environmental Impact: Nitrous oxide is a potent greenhouse gas that contributes to climate change. It has a significantly higher global warming potential compared to carbon dioxide. Nitrous oxide emissions primarily come from agricultural and industrial activities, as well as the combustion of fossil fuels.

It's important to note that nitrous oxide should be used responsibly and under proper supervision, especially in medical and dental settings. Recreational use of nitrous oxide can be hazardous and is illegal in some jurisdictions.

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

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

Detailed Photos





Packaging & Shipping

| | | | |
|----------------------------|-------------------|----------------|--------------|
| 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

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 | Ar+O ₂ | | | |
| GeH ₄ | C ₂ H ₆ | B ₂ H ₆ | H ₂ Se | GeCl ₄ | Xe+NO | | | |



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