99.999% 5n China Factory Cylinder Gas Medical N2o Nitrous Oxide Gas

Our Product Introduction

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
- Purity: 99.9%, 99.999%
- Cylinder Pressure: 15MPa/20MPa
- Cylinder Standard: GB/ISO/DOT
- 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), commonly 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 gas with a slightly sweet odor and taste. It is non-flammable and non-explosive. Nitrous oxide is a stable compound at room temperature and pressure. It can exist as a gas or be compressed into a liquid form.

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

Medical and Dental Uses: Nitrous oxide has a long history of use as an anesthetic in medical and dental procedures. It is often used in combination with other anesthetic agents to induce sedation and reduce pain and anxiety. Nitrous oxide is also used in some medical and surgical procedures as an inhalation analgesic.

Recreational Use: Nitrous oxide is sometimes abused for its euphoric and dissociative effects. In recreational settings, it is often inhaled from small canisters known as "whippits" or "laughing gas cartridges." The recreational use of nitrous oxide can be dangerous and potentially harmful if used improperly or in excessive amounts.

Industrial and Commercial Applications: Nitrous oxide finds various applications in industries and commercial sectors:

Food Industry: Nitrous oxide is used as a propellant in aerosol whipped cream dispensers, allowing the cream to be dispensed in a whipped form.

Automotive Industry: Nitrous oxide is used as a performance-enhancing additive in racing and high-performance vehicles. When injected into the engine's intake manifold, it provides an additional oxygen source, allowing for increased combustion and power output.

Electronics Industry: Nitrous oxide is used as a cleaning agent for certain electronic components and as a precursor gas in the production of semiconductors and other electronic materials.

Rocket Propellant: Nitrous oxide has been used as an oxidizer in rocket engines due to its ability to support combustion in the absence of atmospheric oxygen.

Environmental Impact: Nitrous oxide is a potent greenhouse gas and a significant contributor to climate change. It has a long atmospheric lifetime and a high global warming potential. Nitrous oxide emissions primarily come from agricultural and industrial activities, such as the use of nitrogen-based fertilizers and the combustion of fossil fuels.

It is important to note that the recreational use of nitrous oxide can be hazardous and potentially life-threatening. Misuse or overexposure to nitrous oxide can cause oxygen deprivation, loss of consciousness, and other health risks. Proper safety measures and responsible use should always be observed.

Basic Info

Transport Package:	40L/47L/50L	Melting Point	-91ºC
Trademark:	CMC	Boiling Point	-88ºC
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

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

Detailed Photo


N2O
N2O
N2O

Packaging & Shipping

Company Profile

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.

Shanghai Kemike Chemical Co.,Ltd

+86 18762990415 williamchen@cmc-chemical.com gascylindertank.com