Semiconductor Industry Use Electronic Grade 99.999% Purity Nitrous Oxide N2o 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
- Appearance: Colorless
- Transport: By Sea
- Purity: 99.9%~99.999%
- Model No.: Laughing Gas
- Transport Package: Bot
- Specification: 1L 4L 10L 40L 50L
- Trademark: CMC
- Origin: Suzhou, 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), also known as laughing gas, is a chemical compound composed of nitrogen and oxygen atoms. Here are some key points about nitrous oxide:

Structure: Nitrous oxide has a linear molecular structure, with one nitrogen atom (N) bonded to two oxygen atoms (O). Its chemical formula is N2O.

Properties: Nitrous oxide is a colorless and odorless gas. It is relatively stable and non-flammable. Nitrous oxide is denser than air and can support combustion. It is soluble in water to some extent.

Production: Nitrous oxide can be produced through various methods. One common method is the thermal decomposition of ammonium nitrate (NH4NO3), which releases nitrous oxide gas as a byproduct. It can also be produced as a byproduct in certain industrial processes, such as the production of nitric acid.

Medical and Dental Use: Nitrous oxide is widely used in medicine and dentistry as an analgesic and anesthetic. It is commonly administered in combination with oxygen for pain relief and sedation during dental procedures or minor surgeries. Nitrous oxide's use in medical settings is closely monitored and regulated.

Recreational Use: Nitrous oxide has a history of recreational use as a dissociative anesthetic and a recreational drug. It is sometimes inhaled from small canisters, typically referred to as "whippets" or "laughing gas," to induce a brief euphoric and hallucinogenic effect.

Industrial Applications: Nitrous oxide has various industrial applications, including:

Rocket Propellant: Nitrous oxide can be used as an oxidizer in rocket engines due to its ability to support combustion. It is commonly used in hybrid rocket motors.

Food Industry: Nitrous oxide is used as a propellant in aerosol whipped cream dispensers to create a foamy texture. It is also used in food manufacturing processes to prevent spoilage by inhibiting the growth of bacteria.

Automotive Industry: Nitrous oxide can be used as a performance-enhancing additive in car engines. By introducing nitrous oxide into the intake air, it provides additional oxygen, allowing for more complete combustion and increased power output.

Environmental Impact: Nitrous oxide is considered a greenhouse gas and contributes to global warming. It has a relatively long atmospheric lifetime and a high global warming potential compared to carbon dioxide. Nitrous oxide emissions primarily arise from agricultural and industrial activities, as well as the use of nitrogen-based fertilizers.

It is important to note that the recreational use of nitrous oxide can be dangerous and potentially harmful if misused or abused. Proper precautions and responsible use should always be exercised.

Basic Info.

DOT Class	2.2&5.1	Un No	1070
Cylinder Standard	GB/ISO/DOT	Cylinder Pressure	12.5MPa/15MPa/20MPa
Valve	Cga540	Melting Point	-91 ºC
Appearance	Colorless	Boiling Point	-88 ºC
Density	1.8 Kg/M³	Molecular Weight	44.013
Transport Package	40L/47L/50L	Specification	99.90%
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	pp

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		

Our carbon monoxide have been exported to many countries like India, Pakistan, Iran, Malaysia, Indonesia, Australia, Netherlands, and Mexico.

Since the establishment of our company, it has received universal praise by virtue of good reputation, high quality and perfect after service.

Detailed Photos

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