Cylinder Gas China Factory High quality N2o Gas Nitrous Oxide

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
- Cylinder Pressure: 15MPa/20MPa
- Boiling Point: -88 ºC
- Melting Point: -91 ºC
- Cylinder: DOT/ISO/GB
- Model No.: Nitrous Oxide Gas, Laughing Gas, N2o 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

More Images

Product Description

Product Description

Nitrous oxide (N2O), also known as laughing gas or nitrous, is a chemical compound composed of nitrogen and oxygen. Here are some key points about nitrous oxide:

Structure: Nitrous oxide consists of two nitrogen atoms bonded to one oxygen atom, with a linear molecular structure. Its chemical formula is N2O.

Properties: Nitrous oxide is a colorless and odorless gas at room temperature and pressure. It is relatively stable and non-toxic, but it supports combustion and can act as an oxidizer. It is denser than air and can accumulate in poorly ventilated areas.

Production: Nitrous oxide can be produced through various methods. One common method is the thermal decomposition of ammonium nitrate (NH4NO3). Other methods include the reaction of nitrogen monoxide (NO) with oxygen or the reaction of nitric oxide (NO) with nitrogen dioxide (NO2).

Medical and Dental Use: Nitrous oxide is widely used as an anesthetic agent in medical and dental procedures. It is administered in combination with oxygen to induce sedation and analgesia, making it useful for pain management and anxiety reduction. It is commonly used in dentistry and minor surgical procedures.

Recreational Use: Nitrous oxide has a history of recreational use due to its euphoric effects and the feeling of "laughing" or altered consciousness it can induce. However, recreational use of nitrous oxide can be dangerous and potentially harmful. High concentrations can cause oxygen deprivation and lead to loss of consciousness or even death.

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 release oxygen when decomposed thermally.

Food Industry: Nitrous oxide is used as a propellant in aerosol whipped cream dispensers. It helps create a foamy texture and provides stability to the whipped cream.

Auto Racing: Nitrous oxide is sometimes used in auto racing to increase the power output of engines. It is injected into the combustion chamber, providing additional oxygen for more efficient fuel burning.

Environmental Impact: Nitrous oxide is a potent greenhouse gas and contributes to climate change. It has a significantly higher global warming potential than carbon dioxide. 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's important to note that the recreational use of nitrous oxide can be hazardous and is illegal in many jurisdictions. Medical and dental use of nitrous oxide should only be administered by trained professionals in controlled settings.

Basic Info.

DOT Class	2.2&5.1	Un No	1070
Cylinder	DOT/ISO/GB	Cylinder Pressure	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	99.9%, 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


N2
2O
N2O


NON-FLAMMABLE GAS 2

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

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.

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