



## China Factory Wholesale Industrial Gas Liquid 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 \$8kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 50000kg/month



#### Product Specification

- Product Name: Nitrous Oxide
- Molecular Weight: 44.013
- Purity: 99.9%
- Boiling Point: -88 °C
- Melting Point: -91 °C
- Transport Package: 40L/47L/50L/ISO Tank
- Specification: 40L/47L/50L/ISO Tank
- Origin: China
- HS Code: 28112900
- Supply Ability: 20, 000ton/Year
- CAS No.: 10024-97-2
- Formula: N2o
- EINECS: 233-032-0
- Constituent: Industrial Pure Air
- Grade Standard: Industrial Grade



#### More Images



## Product Description

### Product Description

Nitrous oxide (N<sub>2</sub>O), 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 and pressure. It has a slightly sweet taste and is soluble in water.

Nitrous oxide is a stable compound that is non-flammable but supports combustion.

**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 reaction of nitric oxide (NO) with oxygen (O<sub>2</sub>).

**Medical and Dental Use:** Nitrous oxide has been used as an anesthetic agent in medicine and dentistry. It is commonly administered in combination with oxygen for its analgesic and sedative effects, helping to reduce pain and anxiety during certain medical procedures.

**Recreational and Misuse:** Nitrous oxide has also been used recreationally for its euphoric and dissociative effects. It is commonly inhaled from small canisters or balloons. However, recreational use of nitrous oxide can be dangerous and potentially harmful if used improperly or excessively.

**Industrial Applications:** Nitrous oxide finds applications in various industrial fields:

**Rocket Propellant:** Nitrous oxide has been used as an oxidizer in rocket engines due to its ability to support combustion and release oxygen when decomposed.

**Food Industry:** Nitrous oxide is used as a propellant in aerosol whipped cream dispensers, providing the pressure needed to create whipped cream.

**Auto Racing:** Nitrous oxide is sometimes used in high-performance engines to increase power output. It is injected into the intake manifold, allowing for a higher concentration of oxygen during combustion.

**Semiconductor Industry:** Nitrous oxide is used as an oxidizing agent in the chemical vapor deposition (CVD) process for the production of thin films in semiconductor manufacturing.

**Environmental Impact:** Nitrous oxide is a potent greenhouse gas with a significant impact on climate change. It is considered a contributor to global warming and ozone depletion when released into the atmosphere.

It's important to note that nitrous oxide should only be used under appropriate medical supervision or in compliance with applicable regulations and guidelines. Misuse or excessive use can lead to health risks and adverse effects.

#### Basic Info

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

### 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: H<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>, Ar, CO<sub>2</sub>, propane, acetylene, helium, laser mixed gas, SiH<sub>4</sub>, SiH<sub>2</sub>Cl<sub>2</sub>, SiHCl<sub>3</sub>, SiCl<sub>4</sub>, NH<sub>3</sub>, CF<sub>4</sub>, NF<sub>3</sub>, SF<sub>6</sub>, HCL, N<sub>2</sub>O, doping mixed gas (TMB, PH<sub>3</sub>, B<sub>2</sub>H<sub>6</sub>) and other electronic gases.

SiCl <sub>4</sub>	NH <sub>3</sub>	NH <sub>3</sub>	CH <sub>3</sub> F	SiH <sub>4</sub>	Kr	H <sub>2</sub> S	WF <sub>6</sub>	F <sub>6</sub> +Cl <sub>2</sub>
4MS	C <sub>3</sub> F <sub>8</sub>	C <sub>3</sub> F <sub>8</sub>	TEOS	CH <sub>4</sub>	PH <sub>3</sub>	SF <sub>6</sub>	C <sub>2</sub>	HCl+Ne
CF <sub>4</sub>	C <sub>4</sub> F <sub>8</sub>	SiH <sub>2</sub>						TMB+H <sub>2</sub>
SiF <sub>4</sub>	C <sub>3</sub> H <sub>8</sub>	Cl <sub>2</sub>						He +As
BBr <sub>3</sub>	C <sub>3</sub> H <sub>6</sub>	DCE						Ge+Se
POCl <sub>3</sub>	N <sub>2</sub>	SO <sub>2</sub>						D+B
BCl <sub>3</sub>	D <sub>2</sub>	CO <sub>2</sub>						CO+NO
SiHCl <sub>3</sub>	CH <sub>2</sub> F <sub>2</sub>	HF						Ar+O <sub>2</sub>
TMAI	DMZn	DEZn						GeCl <sub>4</sub>
			AsH <sub>3</sub>	C <sub>2</sub> H <sub>4</sub>	C <sub>2</sub> H <sub>2</sub>	HBr	COS	Xe+NO
			GeH <sub>4</sub>	C <sub>2</sub> H <sub>6</sub>	B <sub>2</sub> H <sub>6</sub>	H <sub>2</sub> Se		

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