

# Medical Nitrous Oxide (N<sub>2</sub>O)



*TIGCS delivers nitrous oxide to patients in hospitals for Anesthesia and analgesia during surgical procedure*

## • Applications

Nitrous oxide: Anesthetic and analgesic for surgical procedures

## • Transport information

### Compressed gas

Proper shipping name

UN Nr

ADR/RID

Nitrous Oxide, compressed

1072

Class 2 Classification Code 20



## • Physical information

Molecular weight . . . . . 44 g/mol

Relative density, gas . . . . . 1.53 (air=1)

Relative density, liquid . . . . . 1.226 (water=1)

TIS number . . . . . 30-2542

## • Properties

Hazards identification : Non-explosive, but cylinders may burst when exposed to high heat

Non-flammable but supports combustion

Can cause dizziness and nausea in high concentrations

## • Safety Data sheets

Access: <https://www.tigcs.co.th/Safety-manual-ebook>

## • Cylinder equipment

Valve: CGA 326

Cylinder color: Blue



## • Product Specification

Components (% Vol. abs)	Impurities (ppm v/v)		Supply mode	Packaging size	Pressure (PSI)	*Capacity (KG)
N <sub>2</sub> O						
≥ 99.0%	H <sub>2</sub> O	≤ 120	Cylinder	40L	800	25
	CO <sub>2</sub>	≤ 300				
	CO	≤ 10				
	Nitric Oxide	≤ 1				
	Nitrogen Dioxide	≤ 1				

\*Typical capacities of the product are guaranteed for each cylinder in particular.

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