



China Industrial Grade Cylinder Gas 99.99% NF3 Nitrogen Trifluoride

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: NF3
- Minimum Order Quantity: 1kg
- Price: US \$60/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 20000 Tons/Year

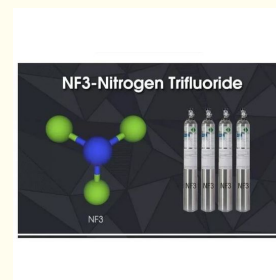


Product Specification

- Product Name: Nitrogen Trifluoride
- Cylinder Standard: DOT/ISO/GB
- Cylinder Pressure: 15MPa/20MPa
- Boiling Point: -129.0 °C
- Melting Point: -206.79 °C
- Transport Package: 47L, 440L
- Specification: 47L, 440L
- Trademark: CMC
- Origin: China
- HS Code: 28129011
- Supply Ability: 5000tons/Year
- CAS No.: 7783-54-2
- Formula: NF3
- EINECS: 232-007-1
- Constituent: Industrial Pure Air



More Images



Product Description

Industrial Grade NF3 Nitrogen Trifluoride Gas Bottle 99.996%

NF3 gas refers to the gaseous form of nitrogen trifluoride (NF3). Nitrogen trifluoride is a chemical compound composed of one nitrogen atom bonded to three fluorine atoms. Nitrogen trifluoride(NF3) gas is a colorless and odorless gas at room temperature and is commonly used in various industrial applications. Here are some key points about Nitrogen trifluoride(NF3) gas:

Physical Properties: Nitrogen trifluoride(NF3) gas is a non-flammable, non-toxic gas. It is stable and does not react with most common materials at room temperature. It has a boiling point of -129 degrees Celsius (-200 degrees Fahrenheit) and can exist as a gas at room temperature and pressure.

Industrial Uses: Nitrogen trifluoride(NF3) gas has several industrial applications:

Electronics Manufacturing: It is widely used as a cleaning agent in the electronics industry for removing residues from silicon wafers, chambers, and other electronic components during the manufacturing process. Nitrogen trifluoride(NF3) is effective in removing fluorinated contaminants, such as silicon dioxide and silicon fluoride.

Plasma Etching: Nitrogen trifluoride(NF3) gas is used as a plasma etchant in the semiconductor industry for selective removal of materials from the surface of silicon wafers and other substrates during the fabrication of integrated circuits.

Solar Panels: Nitrogen trifluoride(NF3) is used in the production of thin-film photovoltaic cells, which are used in solar panels.

Fluorinating Agent: It can be employed as a fluorinating agent in various chemical reactions for introducing fluorine atoms into organic molecules.

Environmental Impact: Nitrogen trifluoride(NF3) gas is a potent greenhouse gas with a high global warming potential. It has a long atmospheric lifetime, contributing to its potential impact on climate change. Due to its increasing use in various industries, efforts are being made to monitor and reduce emissions of Nitrogen trifluoride(NF3).

When working with Nitrogen trifluoride(NF3) gas, it is important to follow appropriate safety measures, including working in well-ventilated areas and wearing proper protective equipment. Nitrogen trifluoride(NF3) gas should be handled with care to prevent exposure to high concentrations, as it can displace oxygen and cause asphyxiation in confined spaces.

It's important to use and handle Nitrogen trifluoride(NF3) gas responsibly, considering both its potential environmental impact and safety considerations.

Basic Info

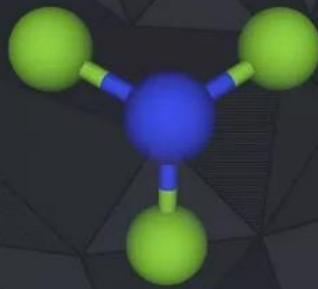
Transport Package:	47L, 440L	Melting Point	-206.79°C
Trademark:	CMC	Boiling Point	-129.0°C
Specification	99.99%, 99.996%	Production Capacity	5000 M3/Year
Cylinder Pressure	15MPa/20MPa	Valve	Diss640
Appearance	Colorless, Odorless	Density	2.96 Kg/M3

Specifications:

Specifications	Company Standard
NF3	≥ 99.996%
CF4	≤ 20 ppm
N2	≤ 5 ppm
O2+AR	≤ 3 ppm
CO	≤ 1 ppm
CO2	≤ 0.5 ppm
N2O	≤ 1 ppm
SF6	≤ 2 ppm
Moisture	≤ 1 ppm
Express as HF	≤ 1 ppm

Detailed Photos

NF₃-Nitrogen Trifluoride



NF₃







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.

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





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