



China Supplier Wholesale Cylinder Gas High Purity 99.996% NF3 Gas Nitrogen Trifluoride

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: NF3
- Minimum Order Quantity: 1kg
- Price: US \$500/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
- Melting Point: -206.79 °C
- Boiling Point: -129.0 °C
- Valve: Diss640
- Cylinder Pressure: 15MPa/20MPa
- Transport Package: Sea Transportation
- 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



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Product Description

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NF3 gas refers to nitrogen trifluoride in its gaseous state. Nitrogen trifluoride (NF3) is a colorless, odorless gas at room temperature and pressure. It is stable and does not react with most common materials. NF3 gas is commonly used in various industrial applications, particularly in the electronics and semiconductor industries.

As mentioned earlier, NF3 gas is used as a cleaning agent in the electronics manufacturing industry to remove residues from silicon wafers, chambers, and other electronic components. It is also employed as a plasma etchant in the semiconductor industry for selectively removing materials during the fabrication process. Additionally, NF3 is used in the production of thin-film photovoltaic cells for solar panels and as a fluorinating agent in chemical reactions.

When working with NF3 gas, it is important to follow appropriate safety measures to ensure personal safety and prevent environmental impact. This includes working in well-ventilated areas or using exhaust systems to prevent the buildup of high concentrations of NF3 gas. Proper protective equipment should be used, including gloves, goggles, and respiratory protection if necessary. NF3 gas should not be released into the environment, and efforts should be made to monitor and reduce emissions due to its high global warming potential.

Overall, NF3 gas plays a significant role in various industries, particularly in the electronics and semiconductor sectors, due to its cleaning and etching properties. However, it is crucial to handle and use NF3 responsibly, following safety guidelines to protect both human health and the environment.

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 Photo



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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