



99.996% Electronic Cylinder Gas Factory Price 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



Nitrogen Trifluoride

Product Specification

- Product Name: Nitrogen Trifluoride
- Appearance: Colorless, Odorless
- Pressure: High
- Melting Point: -206.79 °C
- Density: 2.96 Kg/M3
- Molecular Weight: 146.05
- Boiling Point: -129.0 °C
- Cylinder Standard: DOT/ISO/GB
- Valve: Diss640
- Cylinder Pressure: 15MPa/20MPa
- Un Number: Un 2451
- DOT Class: 2.2 & 5.1
- Transport Package: Bottle
- Specification: 47L/440L
- Trademark: CMC



More Images



Product Description

Product Description

NF3 gas refers to nitrogen trifluoride in its gaseous state. Nitrogen trifluoride (NF3) is a colorless, odorless gas at room temperature. Here are some key properties and considerations regarding NF3 gas:

Physical State: NF3 exists as a gas at standard temperature and pressure (STP). It has a boiling point of -129 degrees Celsius (-200 degrees Fahrenheit) and a melting point of -206 degrees Celsius (-339 degrees Fahrenheit).

Odor and Appearance: Nitrogen trifluoride is odorless and does not have a distinct color. It is not readily detectable by human senses.

Stability and Reactivity: NF3 is a stable compound and does not readily react with most common materials at room temperature. However, it can undergo reactions under certain conditions or in the presence of specific catalysts.

Industrial Applications: NF3 gas has various industrial applications, including:

Electronics Manufacturing: It is commonly used as a cleaning agent in the electronics industry for removing residues from silicon wafers, chambers, and other electronic components during the manufacturing process.

Plasma Etching: NF3 is used as a plasma etchant in the semiconductor industry to selectively remove materials from the surface of silicon wafers and other substrates.

Solar Panel Production: It is employed in the production of thin-film photovoltaic cells used in solar panels.

Fluorinating Agent: NF3 can act as a fluorinating agent in certain chemical reactions for introducing fluorine atoms into organic molecules.

Safety Considerations: While NF3 is not considered highly toxic, it is important to handle it with care and follow safety guidelines. Like any compressed gas, it should be stored, handled, and transported in appropriate containers designed for such gases. Adequate ventilation should be provided when working with NF3 to prevent the buildup of potentially harmful concentrations. It is also important to follow safety procedures to prevent accidental releases or exposure.

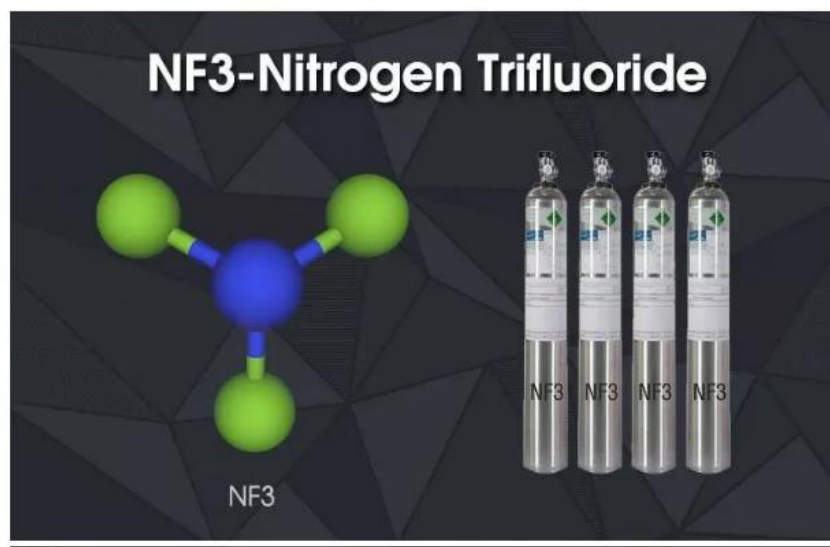
Environmental Impact: Nitrogen trifluoride is a potent greenhouse gas with a high global warming potential. It has a long atmospheric lifetime, contributing to its potential impact on climate change. Efforts are being made to monitor and reduce emissions of NF3 to mitigate its environmental impact.

When working with NF3 gas, it is crucial to follow safety guidelines and handle it responsibly to ensure the well-being of individuals and minimize environmental impact.

Basic Info.

Molecular Weight	147.05	Density	2.96Kg/m³
Melting Point	-206.79°C	Boiling Point	-129.0°C
Appearance	Colorless,Odorless	Un No.	2451
DOT Class	2.2&5.1	Valve	Diss640
Cylinder Standard	GB/ISO/DOT	Cylinder Pressure	15Mpa/20Mpa
Transport Package	47L/440L	Specification	99.99%,99.996%
Trademark	CMC	Origin	China
HS Code	28129011	Production Capacity	5000tons/Year

Specification:



Nitrogen trifluoride at room temperature is a colorless, odorless, stable gas, is a strong oxidant.

Specifications	Company Standard
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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





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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