

Nitrogen Trifluoride



Transportation Information

UN Number: 2451



Shipping Name	Nitrogen Trifluoride	Nitrogen Trifluoride	Nitrogen Trifluoride
Hazard Class	2.2 (5.1)	2.2 (5.1)	2.2
Label	Nonflammable Gas, Oxidizer	Nonflammable Gas, Oxidizer	Nonflammable Gas, Oxidizer

(M)SDS Reference

P-4854

CAS Number

7783 - 54 - 2

General Description

Colorless, odorless, nonflammable, corrosive, toxic gas.

Product/Grade	Purity	Part Number	Cylinder	O ₂	H ₂ O	N ₂	CO ₂	N ₂ O	CF ₄	SF ₆	CO	CH ₄	Acidity
Semiconductor, 4.0	99.99%	NF 4.0SP	K	5	1	5	3	3	40	5	1	1	1

Concentrations given are ppm by volume unless otherwise specified. Maximum ppm unless otherwise noted.

Cylinders

Cylinder Type	Style	Size in (cm)	Connection CGA/DISS	Pressure psig (bar)	Volume lb (kg)	Gross Weight lb (kg)
K	High Pressure Steel	51 x 9 (129.5 x 22.9)	330/640	1450 (145)	44 (20)	179 (81)

Equipment Recommendations



UltraPurge™ 400 Gas Cabinet Series
(see page E-306)



See Section D for additional information on Praxair's Semiconductor product line (pages D-143 - D-148).

See our complete line of gas delivery systems in Section E, including gas cabinets, process panels, and controllers.