



Zyron[®]

electronic gases

Zyron[®] 23N3

Product Specifications

Property	Unit	Minimum	Maximum
Organic Purity	vol%	99.90	—
Impurities, Other Organic	vol, ppm	—	1,000
Water	vol, ppm	—	40.0
Air (N ₂ + O ₂ + CO + CO ₂) (in vapor phase at 75°F)	vol, ppm	—	5,000
Acidity as HCl	ppb	—	100

Physical Properties

Property	Unit	Typical Value
Chemical Name	—	Methane, Trifluoro
CAS No.	—	75-46-7
Chemical Formula	—	CF ₃ H
Molecular Weight	—	70.01
Boiling Point at 1 atm	K (°F)	193.1 (-115.66)
Liquid Density	kg/m ³ (lb/ft ³)	669 (41.8)
Vapor Pressure at 25°C (77°F)	kPa (psia)	4589 (666)
Flammability Limits	vol%	None
Ozone-Depletion Potential	—	0
GWP	—	11,700
Lifetime, years	—	264
TSCA-Reported/Included	—	Yes
Toxicity, AEL	vol, ppm	1,000

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