


Properties of SYNERGY 227 (HFC227ea)



Approval	UL Listed 
Empirical Formula	CF ₃ -CHF-CF ₃
CAS Number	431-89-0
Molecular Weight	170.03
Boiling Point	-16.36°C
Freezing Point	131°C
Vapor Pressure (21°C)	404 Kpa
Liquid Density (21°C)	1.4Kg/L
Critical Temperature	101.7°C
Critical Pressure	2912 Kpa
Critical Density	0.621Kg/dm
Extinguish Concentration (Cup)	0.067
NOAEL (V/V)	0.09
LOAEL (V/V)	0.105
LC50 or ALC (V/V)	>80%
Ozone Depleting Potential	0
Atmospheric Lifetime	31 - 42 years