Phasing Out of Halon: MM 200 and then Novec 1230

Properties	3M ^{TW} Novec ^{TW} 1230 Fire Protection Fluid	Chemours FM-200® (HFC- 227ea)
Fire Performance Vs. Health and Extinguishment Safety (NOAEL)	Class A, B & C ³	Class A, B & C ³
	Class A: 4.5%-NOAEL 10% Safety Margin 122%	Class A: 6.7%-NOAEL 9% Safety Margin 34%
	Class B:5.9%-NOAEL 10% Safety Margin 70%	Class B: 8.7%-NOAEL 9% Safety Margin 3%
	Class C:4.5%-NOAEL 10% Safety Margin 122%	Class C: 7.0%-NOAEL 9% Safety Margin 29%
ODP – Ozone Depletion Potential ¹	0	0
GWP – Global Warming Potential ²	<1	3,350
Atmospheric Lifetime – Years	0.019	38.9
Global Environmental Warranty on Agent (Years)	Yes 3M TM Blue Sky TM Warranty (20 Years)	None
Subject to Phase – Down under EU F-Gas Regulation	No	Yes
Subject to U.S. Proposals for Global Phase-Down under Montreal Protocol	No	Yes
Subject to Potential U.S. EPA SNAP Status Change Proposals Directed at HFCs	No	Yes
Manufacturer Advocating for Global HFC Phase – Dows	Yes	Yes

¹ World Meteorological Organization (WMO) 1998, Model-Derived Method

² Intergovernmental Panel on Climate Change (IPCC) 2013 Method, 100-Year ITH

³ NFPA 2001