Fire Extinguishing Agent

MH227®(HFC227ea)

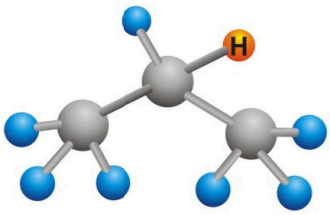
WAYSMOS®
Fire Suppression Chemicals

Specification

Item	MH227® (HFC227ea)	HFC227ea (NFPA 2001)
Appearance	Colorless liquefied gas	Colorless liquefied gas
Purity	99.9% (min)	99.0% (min)
Moisture	10 ppm (max)	10 ppm (max)
Acidity	1 ppm (max)	3 ppm (max)
Non-volatile Residue	0.01g / 100ml (max)	0.05g / 100ml (max)

Description

- ✓An environmentally substitute for Halon 1301 with zero ODP.
- ✓Safe for people and animal.
- ✓Clean and do not leave residue.
- ✓ Electrically nonconductive and noncorrosive.
- ✓UL Recognized and FM Approved.



Properties

Chemical Name	HFC227ea
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
Viscosity Liquid (25°C)	0.226Cp
Vapor Pressure (25°C)	457.7KPa
Extinguish Concentration (Cup)	6.5%
NOAEL (V/V)	9%
LOAEL (V/V)	10.5%
LC50 (V/V)	＞80%
Ozone Depleting Potential	0

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Version 2.0

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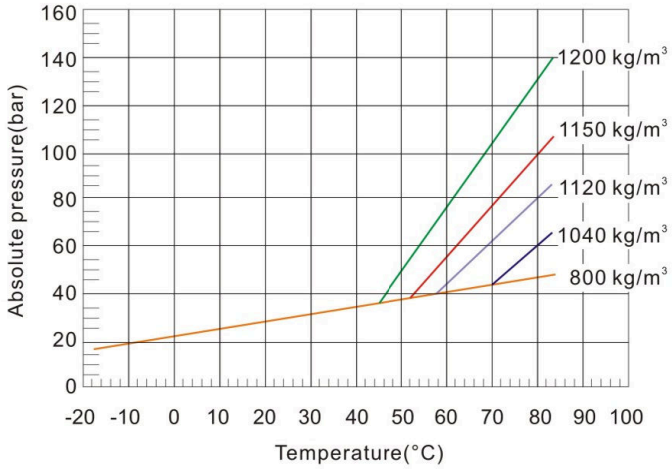
Quality Control

✓Four times of UL follow-up service every year.
✓Four times of FM follow-up service every year.
✓All performance is strict to act as ISO9001:2008.
✓Our quality control program is supported by advanced analytical facilities, which help to ensure that all raw materials, in-process materials and finished products are quality controlled at all stages.

UL®
FM APPROVED
CCC
ISO9001:2008 Certified

Gas Filling Curve

Isometric diagram of HFC227ea pressurized with nitrogen to 25 bar, gauge at 21°C.



Packing

GB Cylinder / DOT Cylinder / ISO Tank.

Application

MH227® (HFC227ea) fire suppression agent is an optimal substitute for Halon 1301. It is particularly useful in computer rooms, libraries, semiconductor manufacturing facilities, data processing centers, industrial process control rooms, petrochemical facilities, chemical storage rooms and so on.

FOR YOUR LIFE
TREASURE AND NATURE

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