

Novec™ 1230 - Physical attributes

Chemical formula	CF ₃ CF ₂ C(O)CF(CF ₃) ₂
Molecular weight	316.04 g/mol
Boiling point at 1.013 bar	49.2°C
Melting point	168.6°C
Critical temperature	168.6°C
Critical pressure	18.6°C
Freezing point	-108°C
Critical volume	494.5 cc/mole
Critical density	639.1 kg/m ³
Vapour pressure at 20 C	0.326 bar abs
Liquid density at 20 C	1.616 g/m ³
Design concentration (for heptane)	5.9%
Flooding factor for heptane at 20 C	0.87233
Design concentration (for Class A surface fires)	5.3%
Flooding factor (for Class A surface fires)	0,77891
NOAEL	10%
LOAEL	>10%
Ozone Depletion Potential (ODP)	0
Global Warming Potential (GWP)	1
Atmospheric lifetime	5 days
Superpressurisation with nitrogen	24 and y 42 bar
Recommended piping	DIN 2440, DIN 2448

It has water appearance, it is spilled and it flowed of similar form

High safety margin
(79% security)

For more information:



General features

- **Halon replacement.**
- **Fast extinguishment (discharge time: 10 seconds).**
- **High efficiency with a low extinguishing concentration (5.3%).**
- **Novec™ 1230 looks like water but does not wet objects.**
- **High safety margin (79% safety).**
- **Minimum installation footprint.**
- **Environmentally friendly extinguishing agent.**
- **Atmospheric lifetime of only five days.**
- **Not restricted by the Kyoto Protocol.**
- **The fluid can be poured, has low viscosity and is easy to handle.**
- **Non-toxic, non-corrosive and electrically non-conductive.**
- **Easy to refill.**
- **No restrictions for air, land or sea transport.**
- **The fluid can be poured, has low viscosity and is easy to handle.**
- **Worldwide approval:**
ISO 14520-5, NFPA 2001

Applications

Novec™ 1230 can be used effectively in total flooding and inerting applications and for explosion suppression in the following areas:

- **Data processing rooms.**
- **Telecommunications, communication centres, server racks.**
- **Computer rooms.**
- **Cargo vessels and transportation vehicles.**
- **Motor rooms.**
- **False floors, false ceilings, cable tunnels.**
- **Archives, museums, libraries, etc., especially suitable for large spaces.**



SIEX

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