

FM-200®

- Suitable for occupied areas
- Discharge time: 10 seconds
- No residue to clean up after discharge
- Widely accepted as substitute to Halon 1301
- Compliance with standards ISO-14520 and NFPA 2001
- Suitable for storage in welded high pressure cylinders, saving space and money
- Electrically non - conductive
- Zero Ozone Depletion Potential

FM-200® extinguishing agent is a clean gas widely accepted as substitute to Halon. FM-200®, or heptafluoropropane ($\text{CF}_3\text{CHF}_2\text{CF}_3$), is suitable for the protection of most hazards where Halon 1301 had to be applied in the past. Because FM-200® is not electrical conductive, (but it is odourless and colourless), it is effective in the protection of electrical hazards, such as computer rooms.

Furthermore, it is suitable for class A fires (fires including solid materials) as well as for class B fires (flammable liquids).

FM-200® extinguishes fires mainly by physical means, weakening and extinguishing the fire by absorbing heat.

Once discharged, FM-200® extinguishes the fire quickly reducing to a minimum damages to property and valuable equipment, likewise ensuring total safety to persons.

LPG systems containing FM-200® are designed to discharge within 10 seconds. Extinguishing agent pressurized with dry Nitrogen at 42 bar and stored in steel cylinders fitted with approved valves.



A wide field of application



Loss Prevention
Certification Board



Agencia Protección Contra
Incendios Ministerio del
Interior



Centre National
de Prevention et Protection



Underwriters Laboratories



Where To Use It:

- With electrical or electronic equipment
- Archives
- Stores
- Cable ducts
- Engine rooms
- Flammable liquids
- Hazards with people inside



Physical Properties

Chemical name:	Heptafluoropropane
Chemical formula:	CF_3CHFCF_3
Compliance with ISO 14520 and NFPA 2001:	HFC-227ea
Molecular weight:	170
Boiling point at 1.013 bar:	-16.4° C
Liquid density at 20° C:	1407 kg/m ³
Critical temperature:	101.7° C
Critical pressure:	29.12 bar
Vapour pressure at 20°C:	3.91 bar
Relative electrical resistance at 1atm. 25° C (N ₂ =1.0):	2.0
Maximum filling density :	1.15 kg./l.
Design concentration for heptane:	9%
Flooding factor for heptane at 20° C:	0.721 kg./m ³
Design concentration for surface fires class A (ISO):	7.9%
Flooding factor for surface fires class A (ISO):	0.625 kg./m ³
Design concentration for class A higher fires (ISO):	8.5%
Flooding factor for class A higher fires (ISO):	0.677 kg./m ³
Design concentration for class A fires (NFPA):	7.3%
Flooding factor for class A fires (NFPA):	0.574 kg./m ³
NOAEL:	9%
LOAEL:	10.5%
Ozone depletion potential:	0
Greenhouse effect potential :	2900

LPG FRANCE

Tel.: +33 1 34482030 · e-mail: commercial@lpg-france.fr

LPG PORTUGAL

Tel.: +351 21 9751322/3 · e-mail: lpg.portugal@mail.telepac.pt

LPG FIRE Ltd.

Tel.: +44 1280 821229 · e-mail: tnicols@lpg.es

LPG TÜRKIYE

Tel.: + 90 216 561 37 75 · e-mail: lpg@lpgtr.com

LPG AMÉRICA LATINA

Tel.: +598 2 6227840 · e-mail: lpg.uruguay@conectate.com.uy

LPG RUSSIA

Tel.: +7495 6439958/+34 670 33 96 51 · e-mail: acardoso@mail.ru

LPG MIDDLE EAST

Tel.: +966 2 6637017/ +966 2 6637053 · e-mail: lpg@lpgme.com

HEADQUARTERS

Mestre Joan Corrales, 107-109 08950 Esplugues de Llobregat
- BARCELONA
Tel.: +34 93 480 29 25 - Fax: +34 93 473 74 92
e-mail: lpg@lpg.es - www.lpg.es

EXPORT DEPARTMENT

Tel.: +34 93 480 29 33 - Fax: +34 93 473 74 92
e-mail: export@lpg.es