

HAIFLON® Fluorinated Fluid FT-7200A — Perfluoro(4-methyl-2-pentene)

Fluorinated fluid (C6F12) · precision cleaning, drying and process medium

Haiflon® FT-7200A is perfluoro(4-methyl-2-pentene) (C6F12), a free-flowing, colourless, odourless and clean liquid. With excellent thermal and chemical stability, it is environmentally safe and non-flammable, and is widely used in electronics, electric power, aviation, automotive and chemical industries. With zero ozone depletion potential (ODP) and a very low greenhouse effect compared with HFCs and PFCs, FT-7200A is an ideal long-term solution for companies promoting green manufacturing.

Product Features

- ✧ Zero ODP, GWP 20 and short atmospheric lifetime (4.1 years) — ideal green substitute for HFCs / PFCs
- ✧ Excellent thermal and chemical stability; non-flammable (no flash point, no flammable range in air)
- ✧ Very low acute toxicity (4 h LC50, rat > 100 000 ppm); 8-hour exposure guideline (TWA) 750 ppm
- ✧ High dielectric strength (> 25 kV / 0.1 mm gap) — suitable for live electrical cleaning
- ✧ Composition: hexafluoropropylene dimer, purity > 99.5 %

Typical Physical Properties

Item	Specification — FT-7200A
Chemical name	Perfluoro(4-methyl-2-pentene) (hexafluoropropylene dimer)
Molecular formula	C6F12
Molecular weight	300
Appearance	Clean, colourless liquid
Purity, %	> 99.5
Boiling point, °C	47
Freezing point, °C	-117
Liquid density (25 °C), g/ml	1.601
Solubility of solvent in water, ppmw	12
Solubility of water in solvent, ppmw	95
Kinematic viscosity, cP	0.3562
Dielectric strength (0.1 mm gap), kV	> 25
Specific heat, J/g·°C	1.279
Surface tension, mN/m	11.44

Applications

- ✧ Precision cleaning of electronic and electrical components
- ✧ Fluorinated coating solvent
- ✧ Drying agent for water removal
- ✧ Dispersion medium / reaction medium
- ✧ Aerosol contact cleaner and testing medium

Environmental & Safety Characteristics

- ✧ Ozone depletion potential (ODP): 0; global warming potential (GWP): 20; atmospheric lifetime: 4.1 years.
- ✧ Flash point: none; no flammable range in air.
- ✧ 8-hour exposure guideline (TWA-8 hr): 750 ppm; acute toxicity (4 h LC50, rat): > 100 000 ppm.

Safety Precautions

- ✧ FT-7200A is non-flammable and of low toxicity; ensure adequate ventilation during use.
- ✧ Avoid prolonged skin contact and avoid inhaling vapour in confined spaces.
- ✧ Please refer to the Safety Data Sheet (SDS) provided by our company before use.

Packing & Storage

- ✧ Net weight 20 kg / 25 kg per plastic drum.
- ✧ Keep sealed in a dry, ventilated place, away from direct sunlight.