



High cleaning performance. Reliable cleaning. Process stability.

PRODUCT OVERVIEW

AURON HFE-72DE is an azeotropic mixture consisting of methyl nonafluorobutyl ether (C₄F₉OCH₃), ethyl nonafluorobutyl ether (C₄F₉OC₂H₅), and trans-1,2-dichloroethylene (t-DCE). It is a true azeotrope with a constant vapor and liquid composition at the boiling point. The liquid fully retains its consistent composition when changing states. The medium is a safe and highly effective cleaning agent for manual use in industrial cleaning processes. The rinsing fluid has excellent solubility, even for ester oils and silicone oils.

KEY FEATURES

- ▶ Non-flammable — no flash point
- ▶ Very good cleaning performance
- ▶ Thermal stability up to 150°C
- ▶ Low GWP & no ODP
- ▶ Low surface tension
- ▶ Residue-free drying during the steam cleaning phase

APPLICATIONS

- ▶ Cleaning systems for electronic components, micromechanics, and optical lenses
- ▶ Cleaners for refrigeration systems
- ▶ Additive for chemical products

TECHNICAL SPECIFICATIONS

Appearance	Clear, colorless
Chemical Type	Hydrofluoroether (HFE) / trans-1,2-dichloroethylene (t-DCE)
Flash point	None
Boiling point	43°C
Density (25°C)	1.28 kg/l
Surface tension	19 mN/m
Kauri-butanol value	52
Viscosity	0.45 cps
Heat of vaporization	218 kJ/kg
Vapor pressure	46.7 kPa

ENVIRONMENTAL PROPERTIES

- ▶ ODP: 0
- ▶ GWP: 43
- ▶ Low toxicity
- ▶ Non-flammable
- ▶ Does not deplete the ozone layer



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CLEANING PERFORMANCE

Dissolves oils, resins, waxes, and plastics.
Specially developed for immersion cleaning and steam degreasing.

PROCESS ADVANTAGES

- ▶ Residue-free drying during the steam cleaning phase
- ▶ High cleaning performance even on finely structured components
- ▶ Contaminants are completely removed from the surfaces

MATERIAL COMPATIBILITY

Please test the compatibility of other materials with AURON HFE-72DE before use, as it is a highly effective cleaning agent.

SAFETY

- ▶ Read the Safety Data Sheet (SDS) before use
- ▶ Suitable only for industrial/commercial applications

CONTAINERS & STORAGE

- ▶ Container sizes: 1.1 kg; 22.7 kg
- ▶ Store in original, sealed containers
- ▶ Store in a cool, dry place
- ▶ Store separately from strong bases and oxidizing agents

ECONOMIC BENEFITS & SUSTAINABILITY

- ▶ High operational reliability
- ▶ Enhanced workplace safety
- ▶ Easy handling
- ▶ Not a hazardous substance

Disclaimer: The information provided is based on current knowledge. The user is responsible for verifying the suitability of the product. No guarantee is made regarding specific results. Specifications are subject to change.