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Product Data Sheet

Fluo-Oil 135

Fluorinated Oil

FLUO-OIL 135 - FLUORINATED OIL

OVERVIEW

Fluo-Oil 135 is a fluorinated oil proposed by Emulseo as an alternative to Fluo-Oil 7500 and Novec™ 7500 for microfluidic applications. Fluo-Oil 135 physico-chemical properties are similar to those of Fluo-Oil 7500 and are summarized in the table below. Fluo-Oil 135 is especially recommended for solubilization of surfactants from Emulseo.

	Fluo-Oil 135	Fluo-Oil 7500
Appearance	Transparent	Transparent
Biocompatibility	✓	✓
Boiling point (°C)	135	129
Viscosity (mPa.s)	1.72	1.24
Density	1.72	1.61

The slightly higher viscosity of Fluo-Oil 135 results in a decrease of the number leakages during microfluidic experiments compare to similar experiments performed with Fluo-Oil 7500 and Novec ™ 7500 (cf. Fluo-Oil 7500 PDS)

BENEFITS

Biocompatibility

Reproducibility

Stability

RECOMMENDATION

Emulseo's Fluo-Oil 135 has been precisely designed to dilute Emulseo's surfactants neat or already diluted in Fluo-Oil 135.

STORAGE

Emulseo's fluorinated oil should be stored at room temperature protected from light in glass vials for 1 year. After solubilization of FluoSurf™ in the oil, the solution has to be stored at 4°C for 6 months.

SAFETY NOTES

- Avoid inhalation, ingestion and contact with skin and eyes
- Wear chemical resistant personal protective equipment
- Wear suitable gloves
- Wear suitable protective clothing
- Safety glasses with side-shields

For additional information, see the Material Safety Data Sheet



CONTACT

If you have any queries, please do not hesitate to e-mail us at: contact@emulseo.com