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Product Data Sheet

Fluo-Oil 40

Fluorinated Oil

FLUO-OIL 40 - FLUORINATED OIL

OVERVIEW

Fluo-Oil 40 is a fluorinated oil proposed by Emulseo as an alternative to Fluorinert™ FC-40 for microfluidic applications. Fluo-Oil 40 has especially been formulated to ensure stability, biocompatibility, and reproducibility of microfluidic experiments.
Fluo-Oil 40 chemical and physico-chemical properties are similar to those of Fluorinert™ FC-40 and are summarized in the table below:

	Fluo-Oil 40	Fluorinert™ FC-40
Appearance	Transparent	Transparent
Biocompatibility	✓	✓
Boiling point (°C)	165	165
Viscosity (mPa.s)	4.1	4.1
Density (g/cm3)	1.85	1.85

Fluo-Oil 40 is especially recommended for solubilization of surfactants from Emulseo.

BENEFITS

Biocompatibility

Reproducibility

Stability

RECOMMENDATION

Emulseo's Fluo-Oil 40 has been precisely designed to dilute Emulseo's surfactant neat or already diluted in Fluorinert™ FC-40 or Fluo-Oil 40.

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