



## OVERVIEW

Fluo-Oil 200 is a fluorinated oil proposed by Emulseo as an alternative to Fluo-Oil 40 and Fluorinert™ FC-40 for microfluidic applications. Fluo-Oil 200 has especially been formulated to ensure stability, biocompatibility, and reproducibility of microfluidic experiments. Fluo-Oil 200 chemical and physico-chemical properties are similar to those of Fluo-Oil 40 and are summarized in the table below.

|                                 | Fluo-Oil 200 | Fluo-Oil 40 |
|---------------------------------|--------------|-------------|
| <b>Appearance</b> -----         | Transparent  | Transparent |
| <b>Biocompatibility</b> -----   | ✓            | ✓           |
| <b>Boiling point (°C)</b> ----- | 196          | 165         |
| <b>Viscosity (mPa.s)</b> -----  | 4.3          | 4.1         |
| <b>Density (g/cm3)</b> -----    | 1.79         | 1.85        |

It is especially recommended for solubilization of surfactants from Emulseo (cf. Fluo-Oil 40 PDS)

## BENEFITS



Biocompatibility



Reproducibility



Stability



Leakage control

## RECOMMENDATION

Emulseo's Fluo-Oil 200 has been precisely designed to dilute Emulseo's surfactant neat or already diluted in Fluo-Oil 200. However, it is not recommended for thermocycling experiments.

## 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