

OVERVIEW

Fluo-ST2 is a surface treatment reagent from Emulseo. It is a fluorophilic surface coating agent for enhanced performance and stability of aqueous droplets in fluorinated oils. Fluo-ST2 is a clear, low viscosity, low surface tension solution of a fluorosilane polymer carried in a hydrofluoroether solvent. The coating covalently bonds to a variety of surfaces (glass, PDMS, etc...) After treatment, a uniform fluorophilic layer is covalently attached to surfaces of the microfluidic devices (Contact angle $\approx 95^\circ$). This allows a better performance and stability of aqueous droplets formed in fluorinated oils. Fluo-ST2 is especially adapted for use with Emulseo's surfactants and oils.

BENEFITS



Droplet performance and stability improvement



Easy-to-use surface treatment



Reproducibility of microfluidic experiments

RECOMMENDATION

For best results:

- Fill the microfluidic channels with Fluo-ST2 and flush the excess
- Place the microfluidic chip in an oven at 65°C overnight

STORAGE

The surface treatment from Emulseo can be stored at room temperature in the supplied vial for six months without deterioration in performance.

SAFETY NOTES

Wear protective gloves/protective clothing/eye protection.

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