

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Experiment described in the article. A 5.6 μl dichloromethane drop is deposited onto a 25 ml aqueous phase filling a 7cm Petri dish. A cationic surfactant, cetyltrimethylammonium bromide (CTAB), is initially present in both phases with the same concentration (0.5 mmol.L^{-1}). The sequence is slowed down 20 times.

File Name: Supplementary Movie 2

Description: Magnification of the receding stage during the sequence displayed in Supplementary Movie 1, providing details of the droplets ejection process during film recoil. The sequence is slowed down 200 times.