Electronic supplementary information (ESI)

Life Time of Floating Liquid Marbles: Influence of
Particle Size and Effective Surface Tension

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**Movie 1.** Colored liquid marbles were prepared by using 8 mµ average sized P-Zonyl-TAN micropowder in this video. Both of the liquid marbles remained their dimensional stability under the application of strong mechanical collisions as seen in the video.

![Graph](image)

**Fig. S1.** Change of contact angle and height of liquid marble made of P-Zonyl-TAN-8 powder placed on a Teflon surface with the increase of the liquid marble water volume between 5-800 µL.
Fig. S2. Height and size of the contact of liquid marbles, as a function of their radius before deposition. All the lengths are normalized by the capillary length. ○: This work; △: 2006 Quere (Lycopodium); *: 2007 Newton (Lycopodium); □: 2009 Bormashenko (Lycopodium); ◊: 2010 Bormashenko (C-Black).