Topic Rheoscopic fluid w/ corn syrup & water.

Date 2. Sept. 2017

Thoughts

Notes

Yesterday I tried plain water. It works, but not well.

*Corn syrup should make it more viscous.

*Some that have tried Soy oil doesn't work; particles stick to oil instead of flowing.

Pearl-ex powdered pigments
8oz jelly jar (can hold 11oz vol.)
Karo light corn syrup.
} Supplies

I added corn syrup yesterday & it increased viscosity a little bit. Didn't measure, but looked like 1/4 c.

- Add 1 oz corn syrup (light Karo syrup) This was 1/3 the volume of the jar
- fill the rest of the jar ~5 oz with warm water.
- 1/8 tsp. of Pearl-ex powder.
- Shake vigourously for 5 mins to homogenise the ingredients

This would be a great desk top toy on a hot plate to keep the flow going.

This results in immediate satisfaction. The mix is easy to see the laminar flow. This lasted for less than 1 minute. Soon I could see the particulates begin to settle out.

Still cloudy 5 mins later.

Opened the lid and could see many particles are suspended on top. Blew on it and watched the particles on the top. :)

I ordered Glycol Stearate; this is what ingredient we have to look for in labs.

30 mins later & particles are still suspended, but barely.

45 mins & most of the particulates are settled out. Not bad.

Set up on candle wax warmer to observe if it can show convection currents. Glass jar is only an inch above the light bulb. Within 1 minute the suspended particles began to cycle. Settled particles stayed on the side.

10 mins in and there is condensation & a little movement of particles.

Shook the jar & replaced. → not warm enough to work

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