

Obleck

Obleck is a non-newtonian fluid. That is, it acts like a liquid when being poured, but like a solid when a force is acting on it. You can grab it and then it will ooze out of your hands. Make enough Obleck and you can even walk on it!

Obleck was given its name from the Dr. Seuss book *Bartholomew and the Oobleck* because of its resemblance to the gooey green substance, Oobleck, fell from the sky and wreaked havoc in the kingdom. Here the Oobleck will be made in a bowl and will likely make a mess, but only because you can get carried away playing with it.

Materials

1. Corn Starch
2. Water
3. Food Coloring (optional)

Recipe: - 1 cup water - 1.5-2 cups corn starch – (Optional- a few drops of food coloring)



Mix it up!

Start with the water in a bowl and start adding the corn starch to it. You can use a spoon at first, but pretty quickly you'll be moving on to using your hand to stir it up. When you're getting close to adding 1.5 cups of the corn starch, start adding it in more slowly and mixing it in with your hand. The goal is to get a consistency where the Oobleck reaches a state that is the liquid and yet solid.



Add food coloring (You can add it to the water before you mix it with the starch to get a more uniform color)

Now that the Oobleck is just right, it's time to add some color. We save this step for later because it's a fun challenge to stir in the food coloring. You will have to slowly mix the Oobleck around to get it thoroughly mixed.



Play with it!

Now go ahead and play with the Oobleck. That's the point of all this and you can find lots of tricks to try out. Here's a short list:

- Grab a handful, squeeze it, and let it ooze out your fingers.
- Make a puddle and quickly drag your fingers through it.
- Put it into a plastic container and shake it or quickly bump it against a table.
- Jab at the Oobleck and then slowly let your finger sink in.