

## GAK RECIPE

**Makes 3 cups**

*Note: You will need to make two separate batches of Gak, each a different color.*

### Materials

- White school glue (8 oz. bottle)
- Borax (sodium borate, a powdered soap found in the grocery store)
- Safety Data Sheet for sodium borate
- Gloves
- Goggles
- Large mixing bowl
- Plastic cup (8 oz. size works well)
- Spoon
- Measuring cup
- Food coloring (at least two different colors)
- Water

### Directions

1. Empty an 8 oz. (250 ml) bottle of glue into a plastic container. Use only white, washable school glue.
  - a. Permanent glue will not form a Gak-like texture, and clear or colored glue will not create a Gak-like appearance.
  - b. Use a container made from a non-reactive, non-stick material like plastic or glass. Avoid metal containers. You may, however, use a large resealable plastic bag.
  - c. Make sure the container can hold at least 3 cups (750 ml) of finished Gak.

2. Pour warm water into the empty glue bottle. Screw the cap back on and vigorously shake the bottle to combine the remaining glue and water.
  - a. Warm water is more effective than cold water at removing the remaining glue from the bottle.
  - b. Use a full bottle of water for every full bottle of glue used.
  
3. Add the water to the glue and mix them. Use a wooden, plastic, or metal spoon to thoroughly stir together the water and glue until combined.
  - a. At this point, you should use a spoon to stir the mixture. You may use your hands at a later time, but while the mixture primarily consists of glue, a spoon is your best bet.
  - b. If you are combining the Gak in a plastic bag, you may mix the glue and water by "squishing" or kneading the water and glue around inside the bag.
  
4. Add anywhere from 4 to 12 drops of liquid food coloring into the watered-down glue and stir well with your spoon.
  
5. Mix 1/2 cup (125 ml) warm water and 1 tsp (5 ml) Borax powder in a separate container. Stir until the Borax dissolves.
  - a. Most of the Borax powder should dissolve, but you do not need to worry about all the powder dissolving.
  - b. The Borax reacts chemically with the glue molecules, turning the glue into "slime" or Gak.
  
6. Pour the Borax water into the glue slowly, stirring well after each addition. As the mixture thickens, "squish" or knead it with your hands until it takes on a thick, gooey consistency.
  - a. You should notice long strings forming as soon as you add the Borax solution to the glue.
  - b. The longer you mix the Gak, the firmer it will become.

Adapted from WikiHow. (n.d.). How to Make Gak. WikiHow. <https://www.wikihow.com/Make-Gak>