

Meet the Bean

Biodegradable Soy Plastic

Materials

1 tablespoon cornstarch
1 teaspoon soybean (vegetable) oil
1 sandwich-size resealable plastic bag
2 drops food coloring (any color)
water
microwave

Procedure

1. Place the cornstarch into the plastic bag.
2. Add the soybean oil to the cornstarch.
3. Add 1 tablespoon water.
4. Close the bag and knead it, mixing the contents.
5. Add two drops of your favorite food coloring to the mixture. Knead to mix.
3. Seal the bag leaving a corner of the bag open to vent the contents. Heat the bag in the microwave oven for 20 – 25 seconds on high. Caution: Bag will be hot!

Reflection

1. What products could be made from biodegradable soy plastic?

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