

## Take-Home Recipe for Instant Cheese Bioplastic

### INGREDIENTS

- 1 cup of milk\*
- 2 tablespoons of vinegar for each cup of milk
- spoon for stirring
- cheesecloth (works best) or fine strainer
- container (to strain the mixture)
- paper towels for clean up
- (optional) a drop or two of glycerin

\*One cup of milk makes about a golf ball-sized plastic sample. Recipe can be increased as needed.



FROM THE KITCHEN OF

**MAKING STUFF**

### DIRECTIONS

- 1 Pour the milk into a pan and warm it on the stove. Be careful not to boil or scald it. (If a skin develops, start over.)
- 2 Move the pan from the heat.
- 3 Add vinegar to the warm milk and stir until it separates and the curds are well formed (about 1-2 minutes).
- 4 Strain the mixture through the cheesecloth or a fine strainer.
- 5 Wait for the strained curds to completely cool (2-3 minutes).
- 6 Wrap the curds in the cheesecloth or hold them between your hands and squeeze out the extra liquid.
- 7 The curds will be crumbly at first—press and knead them into a solid plastic. (A drop or two of glycerin will help to “plasticize” the mixture.)
- 8 Shape the plastic as you like—you may want to use cookie cutters to cut shapes. Let dry overnight.



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