

# Bubble Formula

## Don's Secret Cub Scout Bubble Formula:

### For 1 gallon:

- 1 gallon water
- 1 1/4 cups Dawn Ultra Concentrated Blue dishwashing soap
- And the secret ingredient is 4 tablespoons of glycerine (available at the pharmacy or chemical supply house.) This makes the bubbles last longer.

### To make 4 gallons, I used:

- 4 gallons water
- 38oz bottle Ultra Concentrated Blue dishwashing soap
- 1 cup of glycerine

Gently stir the ingredients together and leave the solution in an open container overnight. It seems that this gives the alcohol on the dishwashing soap a chance to evaporate some. In any case, the solution seems to get better with age. If you substitute some other soap for Dawn, you will have to experiment with the rest of the formula... but that's the fun of science!

To make a bubble wand out of a straw and string, cut a length of string about 24 inches and run it through the straw. Make a loop and tie a knot. Move the knot into the straw. If you make the straw bubble maker, make sure to use cotton string.

## Conversion rates

1 gallon = 128 ounces

1 gallon = 4 quarts

1 quart = 2 pints

1 pint = 2 cups

1 cup = 16 tablespoons

1 tablespoon = 3 teaspoons

Glycerine available at:

JOHN BULL  
Chemical & Supply Co.

8141 East 46th Street  
Tulsa, OK 74145  
(918) 663-7727

\$7.00 / pint (enough for 8 gallons)