



Super Bubble Concentrate

Congratulations! You have purchased the World's BEST big bubble concentrate.

It has been scientifically developed by Extreme Bubbles, Inc in the USA to be the best. Known as beeboo® Big Bubble Mix it has set the World Record for the "World's Largest Free Floating Bubble" measuring an amazing 2 984 liters!



Photos: Courtesy Extreme Bubbles, Inc.

What you need to get started:

- ★ A large tray
- ★ Wire coat hanger
- ★ Thin string or wool
- ★ Soft drink bottle of 1 liter or more
- ★ Measuring jug / cylinder

Mix the juice

1. Clean the soft drink bottle thoroughly.
2. Empty the Super Bubble Concentrate (100 ml) into the bottle.
3. Add **800 to 900 ml** (max.) room temperature **tap water**. (Wash the residue in the concentrate bottle into the soft drink bottle with this water.)
4. Swirl gently. Age overnight or for a few days. Like wine, aged bubble juice is best!

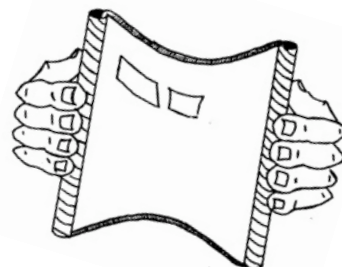


Prepare a bubble wand

- ★ Bend a wire coat hanger into a flat round hoop with the handle sticking up at right angles to the hoop.
- ★ Wrap thin string or wool tightly around the full circumference of the hoop so the wool can absorb the soap mix.

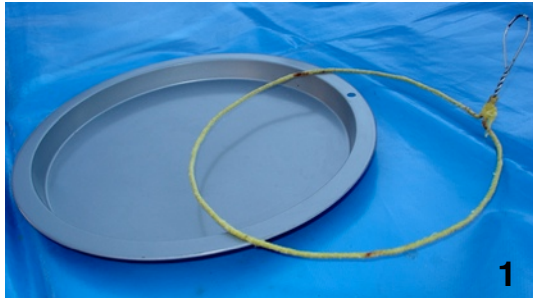
Prepare a straw frame (optional)

- ★ Thread about 1 meter of string or wool through two drinking straws and knot the ends to produce a frame.
- ★ Bring the straws together as you dip them into the liquid. When the string is wet, pull the frame up & apart. A sheet of bubble film will be stretched across the frame.



- ★ Bring your hands a little closer and see how the string sides curve inwards. (The bubble skin is made of water that will always take up the smallest possible surface area.)
- ★ Move the frame up and down. As the bubble film bulges upwards, bring the two straws together to seal and separate the bubble from the frame. Swing the straws to the side. A bubble should float away.

How to make huge bubbles



1. Pour enough bubble juice into the tray on a level surface.
2. Dip the wand into the juice and lift it up into a vertical position.



3. Now gently swoop the wand across to produce a bulged bubble.
4. This is the important part: Gently twist your wrist and seal off the bubble.

Tips:

- ✓ The largest bubbles are produced when the wind is low and the humidity high.
- ✓ Age the solution.
- ✓ Work with your back towards the breeze.
- ✓ Scoop bubble froth from the tray. Do not stir bubble juice in the tray.

WARNING: Floors may become very slippery where the bubbles are made.

Soap Bubble Science

Water molecules demonstrate strong mutual attraction for each other and this is known as surface tension. Soap reduces the attraction between water molecules and allows a film to form. Like a stretched balloon, a soap film always pulls in as tightly as it can and tries to cover the smallest possible area for the volume it contains. Floating bubbles have therefore spherical shapes like soccer balls.

There are many excellent websites on bubble science but the most applicable and complete would be: www.exploratorium.edu/ronh/bubbles/sticky_water.html

Note: beeboo® and beeboo Big Bubble Mix® are Registered Trademarks of Extreme Bubbles, Inc.