

## Questacon Science Squad Activity – Storm in a Saucer

The video for this transcript can be found on the Questacon Science Squad website at:

<http://sciencesquad.questacon.edu.au/activities>

### Transcription from video:

*(Sound of bubbles popping)*

Rachel: Hi my name's Rachel and I'm from the Questacon Science Squad and today I'm going to show you how to make **A REALLY BIG STORM!!**

*(Rachel shouts)*

In this tiny, little saucer.

*(Rachel points to a white saucer)*

You need:

- a small plastic plate, like this one, or a saucer will do

*(Rachel points to a white plastic plate)*

- some full-cream milk
- three different coloured food dyes
- three different eye droppers
- some detergent in a small container and,
- a toothpick

OK. First pour some milk into the saucer.

*(Rachel pours some milk into the saucer)*

And next we're going to put a drop of each colour into the milk, making sure the drops aren't sitting too close together.

*(Rachel puts a drop from each coloured food dye bottle into the saucer of milk, leaving a little space between each drop)*

Like that... and some yellow. Next get your little toothpick and swirl it around in the detergent.

*(Rachel is swirling her toothpick in the small container of detergent)*

You're going to put a drop of the detergent next to each of the colours in the milk and watch what happens when I do that. Ready?

*(Rachel starts putting a drop of detergent next to the red spot of coloured food dye in the saucer of milk)*

Wow! It's moving already.

*(The spot of red expands in the saucer of milk)*

We are creating a colourful, whirling, swirling thunderstorm! Let's just watch that for a little while.

*(Camera zooms in on the saucer of milk)*

It just moves around the plate, like so, creating a swirl of colour. Fantastic! Ahh!

*(Rachel gasps as she refers to the swirling colours in the saucer of milk)*

*(Camera moves back onto Rachel)*

If you'd like to know how the detergent creates a colourful movement like that, visit the Questacon Science Squad website. See you next time.