

Homemade snow

Instructions:

- Take sodium $\frac{1}{2}$ cup of polyacrylate put it in a plate
- Add a little bit of water at a time
- Watch the powder turn into “snow”

[Science behind it:](#) Sodium polyacrylate is a sodium salt of polyacrylic acid. It is a very hygroscopic substance, in other words, it likes to absorb water. One of the main properties of the compound is the ability to absorb liquid of 200-300 times its own mass! So, it instantly absorbs water and swells up immensely, forming flakes that resemble snow. It is used in diapers, pet pads, sanitary napkins, spill clean ups ... If you want to try this at home, open up a diaper and try to scrape out this salt. Then just add water and see it “grow”.