

Foam volcano

Donnerstag, den 04. Oktober 2012 um 11:42 Uhr



Extreme eruption home edition

Material:



- hydrogen peroxide,
- potassium manganate (VII) (available in pharmacy),
- dishwashing liquid,
- beaker of water,
- pincers,
- flask.

Instruction:

Hydrogen peroxide is a colorless and odorless liquid, having a density slightly higher than water. Is corrosive and used as a strong oxidizing agent in the chemical industry. It is used widely in the production of a number of organic dyes, as initiating explosives in the production of peroxides such as acetone peroxide.

Pour washing liquid into a container with a narrow neck. Then carefully pour peroxide.

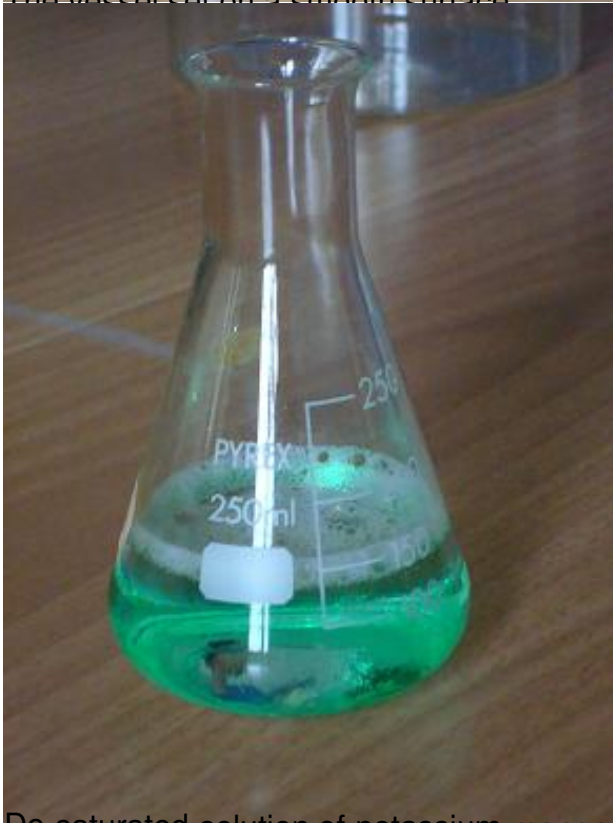


Foam volcano

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The vessel set on a smooth surface



Do saturated solution of potassium manganate -add a few crystals to the water.

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Donnerstag, den 04. Oktober 2012 um 11:42 Uhr



Pour fast a small amount of potassium permanganate solution.



Foam volcano

Donnerstag, den 04. Oktober 2012 um 11:42 Uhr



Stormy reaction begins, which will result in production of large quantities of foam.



Explanation:

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Hydrogen peroxide is decomposed by the iron catalyst into water and oxygen. That's why the foam is so big and it's made of oxygen bubbles. The pink powder is just for decoration.

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