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Subject: **Softener chemical detergent high pressure homogenisation**



The homogenisation process

The product homogenized is a Softener (Concentrate and regular) composed by water, tensioactive and perfume. The homogeniser is used for reducing the mean particle size.

The test has been performed with a homogeniser model **PONY NS2006L** equipped with feeding hopper and lobe feeding pump. Test conditions are the following: Standard homogenising valve; one homogenising stage; room temperature; pressure applied: 200, 400, 600 bar.



The homogenisation results

Both the two softeners (Concentrate and regular) are characterized by a very wide granulometric distribution, with particles bigger than 10 microns. After the high pressure homogenisation the particle size is drastically reduced with all the particles smaller than 1 micron.

