














# WHAT'S REALLY IN FRACKING FLUID?

## PROBABLY NOT WHAT YOU THINK

Chemicals perform many functions in a hydraulic fracturing job. Although there are dozens to hundreds of chemicals which could be used as additives, there are a limited number, which are routinely used, in hydraulic fracturing. The following is a list of the chemicals used most often.

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	<b>Water</b>	<b>99.5%</b>
	<b>Biocide (Disinfectant)</b>	0.001%
	<b>Corrosion Inhibitor (Pharmaceutical solvent)</b>	0.002%
	<b>Iron Control (Soda flavoring)</b>	0.004%
	<b>Crosslinker (Hand soap)</b>	0.007%
	<b>Breaker (Hair bleach)</b>	0.01%
	<b>pH Adjusting Agent (Detergent)</b>	0.011%
	<b>Scale Inhibitor (Household cleanser)</b>	0.043%
	<b>Gelling Agent (Toothpaste thickener)</b>	0.056%
	<b>KCL (Table salt substitute)</b>	0.06%
	<b>Surfactant (Glass cleaner)</b>	0.085%
	<b>Friction Reducer (Make-up remover)</b>	0.088%
	<b>Acid (Swimming pool cleaner)</b>	0.123%



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1700 Broadway | Suite 2300 | Denver, Colorado 80290-2300  
Phone: 303.837.1661 | Fax 303.851.4923 | [www.Whiting.com](http://www.Whiting.com)