

# Research and analysis: Hazard assessment of chemicals used in oil and gas well development

This project assessed the properties of a range of chemicals that might be proposed for use in hydraulic fracturing in the oil and gas industry. Of the 31 substances investigated, 27 were found to be non-hazardous. There was insufficient information to make firm recommendations on the other four substances.

The results will be used to help the Environment Agency understand the risks from oil and gas exploration and production, and to ensure that environmental permits include conditions that protect groundwater. Groundwater is an important natural resource. It is used for drinking water supply and provides flow for many of our rivers. Activities that could affect groundwater must be controlled so that they do not cause pollution.

The findings are relevant to anyone interested in unconventional oil and gas operations, including oil and gas companies and planners, members of the public and non-governmental organisations.