

## Chemicals for optimal oil & gas production

Production chemicals and additives of Brenntag have been developed over more than three decades and are used to maintain, treat and optimize the production from oil or gas reservoirs. This versatile group of chemicals minimizes solids deposition in wells and reduces downtime caused by corrosion and maintenance work, but can also be used to clean well and surface equipment.

### The Advantages

#### Performance control

Production chemicals enable you to control the performance of your production and processing of oil and gas streams. We offer the following product categories:

- Corrosion inhibitors;
- Asphaltene inhibitors;
- Paraffin inhibitors;
- Mineral scale inhibitors;
- Hydrate inhibitors;
- Demulsifiers and water clarifiers;
- And many others like inhibited methanol, biocide and iron sulfide dispersants, oxygen and hydrogen sulfide scavengers.

#### Reduced costs

Production chemicals reduce repair and maintenance downtime, leading to costs savings in terms of increased production time, health, safety and environment, and efficient waste management (NORM deposits).

#### Logistic control

In addition to production chemicals, we supply speciality chemicals for refinery processes, drilling muds, completion and stimulation fluids.

#### Analytical services

Our professional team of chemists and technicians, using world class equipment and methods, provides instant solutions, short and long term, to any kind of problem.



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## Products and Applications

### T-8070E

- Filming corrosion inhibitor, for relatively sweet conditions in gas/water systems

### T-8081E

- Continuous corrosion inhibitor, gas/condensate/water systems (CO<sub>2</sub> and H<sub>2</sub>S) or dehydrated gas systems

### T-8537E

- Corrosion inhibitor, for sour and sweet systems

### T-9156E

- Paraffin/wax inhibitor/depressant, crude oil applications

### T-9201E

- Concentrated paraffin, producing wells and crude oil transfer pipelines

### T-302E

- Scale inhibitor, wells experiencing down-hole formation of mineral deposit

### T-323E

- General purpose scale inhibitor, heater treaters and down-hole pumping equipment

### T-3000E

- Salt inhibitor, transmission lines and down-hole applications

### T-1058E

- Hydrate inhibitor, high pressure pipelines with gas and water

### T-1063E

- Hydrate and corrosion inhibitor, gas transmission lines

### T-2301E

- Demulsifier, breaking water-in-oil emulsions

The examples mentioned are only a selection from a range of >200 products specifically developed for the oil and gas production.

## Application Examples

The process of hydrocarbon production involves flow from the reservoir through a well bore, wellhead, flow lines and separator unit to a field processing centre. Throughout this process, production chemicals are used to increase flow and reduce corrosion problems in varying conditions for each well. For example, sour, heavy crude requires a different treatment than dry gas or sweet condensates. Produced water may contain a high concentration of calcium salts, possibly causing a secondary corrosion problem and solids deposition. Especially if different water streams are mixed, the chances on mineral scale increase. For all these and more examples we have a full range of product solutions to serve your needs.



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