

# Oilfield & Fuel

Safeguarding our customers' products,  
from upstream to downstream application

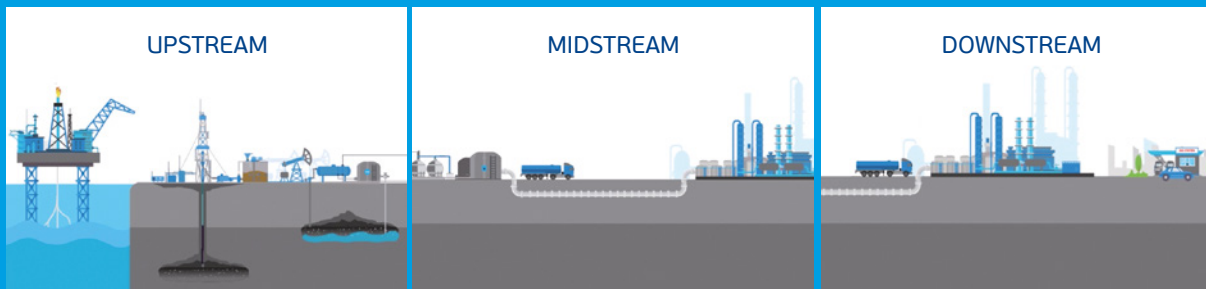


Vink Chemicals GmbH & Co. KG is a family owned business which is involved in the production of biocide formulations for a variety of industries.

We trace our beginnings when we were part of founded company Vink + Co. Since trading with biocide actives has already been an important part of our business, we decided to start the development of biocide formulations in 2008. In early 2011 Vink Chemicals GmbH & Co. KG had been established and the production was set into operation.

# Safeguarding your value chain

Our oilfield and fuel division offers biocides and a hydrogen sulphide scavenger that outperform current solutions on the market. We safeguard our customers' products, from upstream to downstream applications.



# Vink Chemicals – An overview

## Oilfield & Fuel

Vink Chemicals GmbH KG & Co. was born with a philosophy of protecting customers' products against contamination and as a company that already had a great experience in biocide market, a globally powerful supplier network and profound technical know-how about biocides. Such advantages have enabled Vink Chemicals to act as a very reliable and flexible solution provider for its customers and protect their products against contamination and spoilage in a wide range of technical applications in various industries including oilfield and fuel.

In the oilfield and fuel industry, contamination by ubiquitous microorganisms emerging in various forms can cause serious

problems such as corrosion, biofilm formation and flow transfer restriction in pipes. In addition, sulphate-reducing bacteria (SRB), can not only lead to corrosion, but also to flow and heat transfer restriction, safety concerns and quality issues. Vink Chemicals has committed itself to protect customers, products from upstream to downstream and fulfil their needs by expanding its portfolio.

Vink Chemicals' portfolio meets today's strict environmental, technical and quality imperatives and offers innovative and highly effective solutions in a reliable, flexible and cost-efficient manner.



# Our biocides

We develop biocides that comply with diverse regulatory and technical requirements for a variety of upstream, midstream and downstream applications. Moreover, we offer solutions for modern diesel fuels. Our biocides have a broad spectrum of anti-microbial activity, combatting bacteria, yeasts and moulds. They are highly effective, enabling low dosage levels for cost-efficient treatment.

## Challenges

- Protecting against potential contamination of drilling fluids
- Avoiding contamination of borehole water
- Combatting microbes in contaminated water within transmission systems (ballast water, etc.)
- Protecting crude oil and processing products during storage
- Handling high viscosity at low temperatures

## Benefits

- No foam formation
- Fully soluble in oil
- Fully soluble in water\*
- Anti-corrosive properties
- High efficacy and stability at high and low temperatures
- Long-lasting results
- Effective against bacteria, moulds and yeasts
- Wide pH range tolerance
- Solvent-free\*

| Application                        | Productrange                        |
|------------------------------------|-------------------------------------|
| Oil and gas<br>Upstream, midstream | grotan**<br>stabcide**<br>Vinkocide |
| Fuels<br>Downstream                | grotamar**<br>Vinkocide             |

Drilling



Refinery



Crude Oil  
Treatment



Injection  
Water/EOR



Produced  
Water



Terminal  
Storage



After-  
Market



# Our Hydrogen Sulphide Scavenger

As the leading producer of hydrogen sulphide scavenger, Vink Chemicals has a deep understanding of this state-of-the-art technology. Furthermore, our company has responded to evolving market needs with a new option: stabicor® S 100, an innovative non-triazine-based hydrogen sulphide (H<sub>2</sub>S) scavenger that offers outstanding performance at low doses for greater cost-efficiency.

## Challenges

- Providing complete protection against H<sub>2</sub>S for multiphase systems
- Ensuring efficacy across a wide temperature range, from sub-zero (high viscosity/poor pumpability) to up to 350 °C (thermostability)
- Meeting diverse needs for free/low water content for various applications
- Fate of the reaction products (post-addition)
- Efficient H<sub>2</sub>S scavenging with conventional products generally requires a surplus of H<sub>2</sub>S scavenger

## Benefits

- Fully soluble in oil and water
- Low viscosity at low temperatures
- Solvent-free
- Highly stable at use concentrations
- Anti-corrosive properties
- Up to 50 % greater scavenging capacity than an 80 % HHT solution
- No formation of insoluble polymeric precipitate

| Application | Productrange |
|-------------|--------------|
| Upstream    | stabicor®    |
| Midstream   |              |
| Downstream  |              |

Drilling



Refinery



Crude Oil Treatment



Injection Water/EOR



Produced Water



Terminal Storage



# Our customers drive our business

With Vink Chemicals, customers are in safe hands. We leverage our extensive experience in microbiology not simply to sell our solutions, but to support our customers. We work hand-in-hand with them to ensure their products are effectively shielded against microbial contamination.

Our products are designed to outperform current solutions on the market

We work closely with our customers, providing the support needed to ensure their success



Our experts provide advice and assistance from our labs in Germany (Kakenstorf & Memmingen)

Our vast microbiology expertise empowers us to make a key contribution to the oil and gas industry, and deliver effective solutions





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A Team with Our Customers

Our recommendations regarding our products are given in good faith, but imply no corresponding liability.

The products shown in our portfolio do not imply any biocidal product registration in any specific country.

Vink Chemicals or sales partners thereof will inform you about the regulatory status of each product upon your request.

Use biocides safely. Always read the label and product information before use.