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Oilfield Production Chemicals  
 **Drillaflux™ Drilling Fluids**

Uk Industrial Chemical Manufacturer Specialising in  
Upstream & Downstream Oilfield Chemical Solutions.



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Uk Oilfield Chemical Manufacturer

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# Drillaflux™ Drilling Fluids Range

Downhole Drilling Fluids, Chemicals & Aids for Oil, Shale Gas & Acidizing



## Features of Drillaflux™

Drillaflux™ is a range of highly effective drilling fluid additives which are used in the oil or conducting acidizing or fracturing operations. Drillaflux™ are used extensively Worldwide to ensure operation efficiency and are cost effective.

Drillaflux™ are used in the drilling process for oil and gas and have been proven to increase your drilling fluids capabilities. The Drillaflux™ range includes H<sub>2</sub>S Scavengers, Corrosion Inhibitors, Completion Fluids, Biocides. Chemiphase also provides additives that can be used in the oil-based or water-based drilling muds ensuring the tool bits remain clean and cool. We offer completion fluid stabilisers and additives to increase the drilling mud capabilities.

Part of the Drillaflux™ range are designed with environmental impacts in mind. Our formulations have been shown to be inherently biodegradable. None of them are considered to be bio accumulating.

When determining the correct Drillaflux™ Treatment by the Chemiphase Technical Team, the following parameters will be assessed :

- ◇ Design of system and typical flow rates.
- ◇ Operating Temperatures
- ◇ Contact Time & Mixing Available
- ◇ Analysis of Carrying Fluid

## Benefits of Drillaflux™ Drilling Fluids

- The Drillaflux™ range help oilfield service companies reduce non productive time for their E&P customers through more efficient drilling and increased wellbore stability
- Drillaflux™ drilling additives can be used in both oil and water based drilling systems and can also be used as well as compressed gas.
- Drillaflux™ have been used in the toughest environmental controlled areas adhering to strict regulations.
- Drillaflux™ control fluid additives increase emulsification and thinning and dispersion of oil based muds. These drilling fluids help create proper fluid weighting to balance formation pressure and optimise fluid flow.
- Drillaflux™ are designed in a state of the art laboratory in the UK where our scientists are constantly evolving and creating the latest techniques and drilling fluids.
- Chemiphase make a specific lubricant additive that maintains strong boundary lubrication films in silicate-based mud systems specialized for shale drilling.
- Chemiphase also offers a diverse array of surfactant-based technologies providing drilling fluid performance for wettability, detergency, dispersancy, lubricity, and clay stabilization.
- Chemiphase is committed to providing the highest quality products and services to its customers. Many of the products are produced in Lancashire, UK where the sites adheres to strict ISO:9001 standards.

# Drillaflux™ Drilling Fluid Range

Down hole Drilling Fluids, Chemicals & Aids

Used for Drilling for oil, Shale Gas Fracturing Operations or Acidizing Procedures

Product Code	Technical Function	Description of Purpose
Drillaflux CT-C60-01	Drilling Fluid Biocide	Prevent microbial growth from occurring down hole.
Drillaflux CT-C60-02	Drilling Fluid Biocide	Prevent microbial growth from occurring down hole.
Drillaflux CT-C61-01	Clay Stabiliser	Prevents swelling, shifting and migration of clay minerals.
Drillaflux CT-C61-02	Clay Stabiliser	Prevents swelling, shifting and migration of clay minerals.
Drillaflux CT-C62-01	Iron Control	Prevents precipitation of metal oxides which can cause blockages.
Drillaflux CT-C62-02	Iron Control	Prevents precipitation of metal oxides which can cause blockages.
Drillaflux CT-C63-01	Scale Inhibitor	Prevents precipitation of carbonates and sulphates which cause plugging
Drillaflux CT-C63-02	Scale Inhibitor	Prevents precipitation of carbonates and sulphates which cause plugging
Drillaflux CT-C64-01	Corrosion Inhibitor	Reduces rust formation (iron oxides) on steel tubing's & well casings.
Drillaflux CT-C64-02	Corrosion Inhibitor	Reduces rust formation (iron oxides) on steel tubing's & well casings.
Drillaflux CT-C65-01	Oxygen Scavenger	Removes oxygen from water to protect pipe from corrosion.
Drillaflux CT-C65-02	Oxygen Scavenger	Removes oxygen from water to protect pipe from corrosion.
Drillaflux CT-C65-01	pH Adjustment Agent	Adjusts and controls pH of the fluid to maximise effectiveness.
Drillaflux CT-C65-02	pH Adjustment Agent	Adjusts and controls pH of the fluid to maximise effectiveness.
Drillaflux CT-C65-01	Anti-Freezing Agent	Lowers freezing points and/or increases boiling point
Drillaflux CT-C66-01	Cross linker	Maintain fluid viscosity as temperature increases
Drillaflux CT-C67-01	Gelling Agent	Increases fluid viscosity allowing the fluid to suspend and carry more.
Drillaflux CT-C67-02	Gelling Agent	Increases fluid viscosity allowing the fluid to suspend and carry more.
Drillaflux CT-C68-01	Friction Reducer	Minimises friction between fluid and the contact surface.
Drillaflux CT-C68-02	Friction Reducer	Minimises friction between fluid and the contact surface.
Drillaflux CT-C68-03	Friction Reducer	Minimises friction between fluid and the contact surface.
Drillaflux CT-C69-01	Solvent	Controls the wettability of contact surfaces to prevent/break emulsions
Drillaflux CT-C69-02	Surfactant	Reduces surface tension of the fluid on the fracture face aiding recovery
Drillaflux CT-C69-03	Breaker	Allows a delayed breakdown of the gel polymer chains to reduce viscosity
Drillaflux CT-C69-04	Breaker	Allows a delayed breakdown of the gel polymer chains to reduce viscosity

# Oilfield Production Chemicals

## ➤ Drillaflux™ Drilling Fluids Range

### The Chemiphase Treatment Procedure & Safety Commitment

- ⇒ On site analysis usually bottle testing & then fully re-analyse back in the laboratory to ensure that the product that Chemiphase recommend is the best possible fit, highly effective, safe & cost effective.
- ⇒ Once a product has been recommended we offer on-site technical assistance for the product dosage rates and application points. This will include regular monthly site visits to ensure customer satisfaction.
- ⇒ This on-site technical service will continue to ensure that the product remains the best solution as the oilfield changes over the years.
- ⇒ At Chemiphase we take great pride in offering green, environmentally sustainable chemical solutions and as such all the products in the range are produced using environmentally friendly methods and where possible, are formulated to be fully biodegradable.
- ⇒ All our chemical ranges are formulated by our highly trained and vastly experienced chemists and are put through rigorous in house testing in our purpose built research and development laboratory. We subject our chemical ranges to the most stringent of testing to make sure our customers receive the best products, whilst also satisfying our need for constant product improvement.



### Chemiphase Oilfield Chemical Solution's

- ◇ Oilfield Emulsifier's & Demulsifiers
- ◇ Oilfield H<sub>2</sub>S Scavenger's
- ◇ Oilfield Corrosion Inhibitor's
- ◇ Wax & Paraffin Treatment Regimes for Oilfield Applications
- ◇ MEOR- Enhanced Oil Recovery Techniques
- ◇ Biocide & Scale Management
- ◇ Environmental Drilling Fluids



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