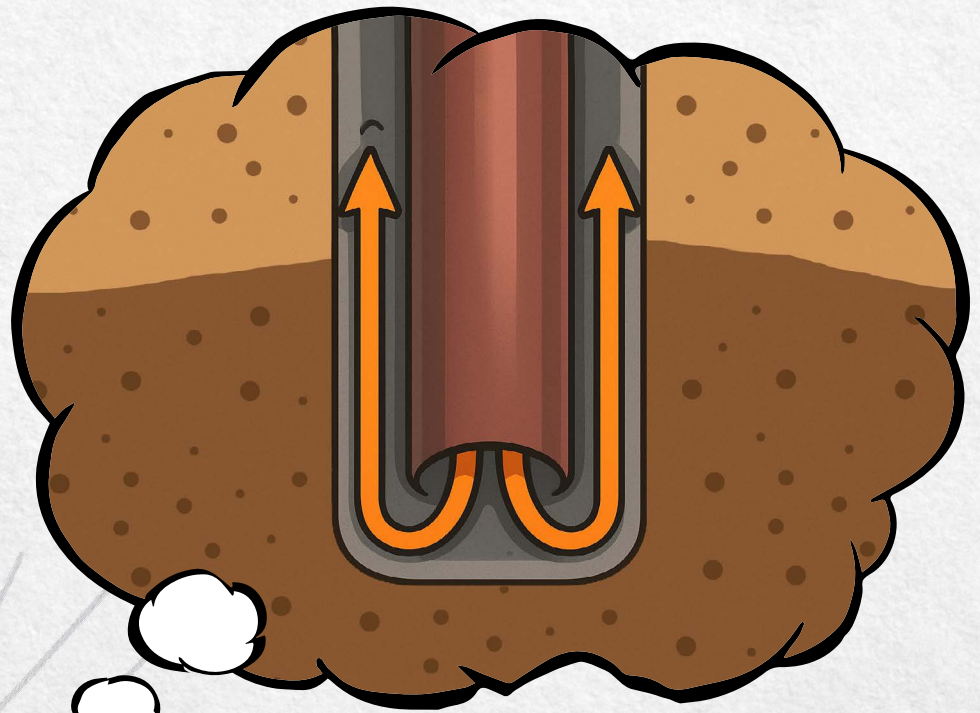


BASF Oilfield Chemicals

Your solution to any cementing job

*Well construction:
we bond under pressure!
Cement your success with BASF!*



High-performance additives for cementing

Our portfolio of cement additives delivers proven performance across diverse applications worldwide — helping you achieve stronger bonds, improved durability, and optimized efficiency.

Every successful cementing job relies on multiple additives to maintain well integrity.

BASF has developed a targeted range of high-quality cementing chemicals, ensuring strength, reliability, and long-term durability across a wide range of conditions.

Whether you need dependable solutions or advanced formulations for challenging environments, our expert team has you covered.

We provide chemistry for all major cementing applications.
Start your BASF well construction journey today...



Fluid Loss Additives – Polytrol®

Chemicals used to **control the rate at which water in the cement slurry is lost** to the surrounding formation. This is crucial for **maintaining the performance and integrity** of the cement job.

Our products:

- ✓ safeguard cement integrity
- ✓ minimize fluid loss
- ✓ optimize set-time
- ✓ ensure reliable zonal isolation

Special features:

- ✓ delivers high-performance in challenging conditions
- ✓ temperature-stable
- ✓ create efficient formulations



Product	Form	Chemistry	Temperature Stability		Dosage [% BWOC]	Viscosifying Behavior	Electrolyte Tolerance		
			°F	°C			Fresh Water	Sea Water	NaCl Water
Polytrol® FL 32	Powder	Synthetic sulfonated polymer	60° - 300°F	15° - 150°C	1.0 – 2.0	■	■■	■■	■■
Polytrol® FL 34	Powder	Synthetic sulfonated polymer	up to / over 400°F	200°C	0.3 – 1.5	■■■	■■	■■	■
Polytrol® FL 45	Powder	Synthetic sulfonated polymer	up to / over 400°F	200°C	0.3 – 1.5	■■■■	■■	■■	■
Polytrol® FL 56	Powder	Grafted sulfonated polyacrylate, copolymer	up to / over 400°F	200°C	1.0 – 2.5	■■	■■	■■	■■

Dispersants – Liquiment®

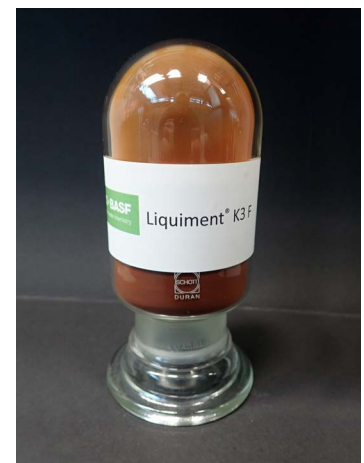
Chemical additives used to **improve the flow properties** of the cement slurry. Their main role is to **reduce the viscosity and yield point of the slurry**, via dispersing particle agglomeration and allowing the cement to flow in an easier and more uniform way.

Our products:

- ✓ improve slurry pumpability
- ✓ minimize lost circulation
- ✓ optimize slurry viscosity

Special features:

- ✓ deliver high-performance in challenging conditions
- ✓ temperature-stable
- ✓ salt-tolerant



Product	Form	Chemistry	Temperature Stability		Dosage [% BWOC]	Viscosifying Behavior	Electrolyte Tolerance		
			°F	°C			Fresh Water	Sea Water	NaCl Water
LIQUIMENT® K3F	Powder	Sulfonated acetone resin	up to / over 400°F	200°C	0.25 – 1.0	Mild	■■	■■	■■
LIQUIMENT® Bio	Powder	Bio grafted sulfonated acetone resin	up to / over 350°F	175°C	0.25 – 1.0	Non-Retarding	■■	■■	■■
LIQUIMENT® 5581 F	Powder	Polycarboxylate ether (PCE)	up to 250°F	120°C	0.1 – 0.25	Very Mild	■■	■■	■■

Anti-Gas Migration - Basoblock® / Paragas®

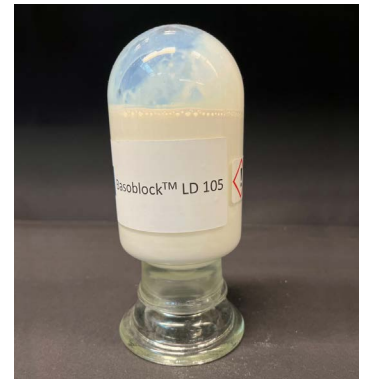
Specialized chemicals used to **prevent gas from migrating into the cement column** while it's setting.

Our products:

- ✓ prevent gas migration
- ✓ improve zonal Isolation
- ✓ enhance fluid loss control

Special features:

- ✓ deliver **high-performance** in **challenging conditions**
- ✓ can show **synergistic effects** with other additives



Product	Form	Chemistry	Temperature Stability		Dosage [% BWOC]	Retarding Behavior	Electrolyte Tolerance	
			°F	°C			Fresh Water	Sea Water
Basoblock® LD 105	44% active aqueous dispersion	styrene butadiene latex	up to at least 350°F	175°C	0.8 - 2.5 gal / sack	Mild	■ ■	■
Basoblock® LD 110	40% active aqueous solution	styrene butadiene latex	up to at least 350°F	175°C	0.8 - 2.5 gal / sack	Mild	■ ■	■
Paragas®	40% active aqueous solution	polyethylene imine polymer	up to 320°F	160°C	5-10% BWOC	Mild	■ ■	■

Retarder - CEMR®

Specialized chemicals used to **adjust the thickening time** of the slurry to the necessary pumping parameters.

Our products:

- ✓ control and **extend set time**
- ✓ **improve operational flexibility**
- ✓ ensure the **integrity and durability of the cement job**

Special features:

- ✓ deliver **high-performance** in **challenging temperatures**
- ✓ tolerant to **operational variances** (e.g. temp / dose)
- ✓ compatible with **different cements and additives**



Product	Form	Chemistry	Temperature Stability		Dosage [% BWOC]	Viscosifying Behavior	Electrolyte Tolerance		
			°F	°C			Fresh Water	Sea Water	NaCl Water
CemR™-10	Powder	synthetic polymer	20°F - 250°F	0° - 120°C	0.2 - 2.0	Mild	■	■ ■	■ ■
CemR™-50	Powder	synthetic polymer	190°F - 400°F	85° - 200°C	0.2 - 2.0	Mild	■	■ ■	■ ■

Surfactants for Cement Spacer Formulations - DisPlus

A specialized slurry used to **displace the drilling muds and prepare the wellbore for the cementing** operations, allowing for effective cement bonding and providing reliable zone isolation.

Our products:

- ✓ **cleaning efficiency**
- ✓ **broad compatibility**
- ✓ **enhanced water-wettability**

Special features:

- ✓ deliver **high-performance** even in challenging environments
- ✓ **powder** and **liquid** offering depending on needs
- ✓ **renewable** option



Product	Form	Description	Chemistry
DisPlus 39L	55% active liquid	A specially engineered surfactant blend designed for broad compatibility following the use of diesel-based or synthetic drilling fluids.	optimized surfactant formulation
DisPlus 50	granulated powder 50% active	<ul style="list-style-type: none"> • Dry spacer admixtures formulated by granulating renewable surfactants onto organic and inorganic carrier materials • A free-flowing, dust-free solid designed for use in single-package powder spacer formulations for oil-based drilling muds. 	granulated renewable surfactants

Defoamers - Basopur®

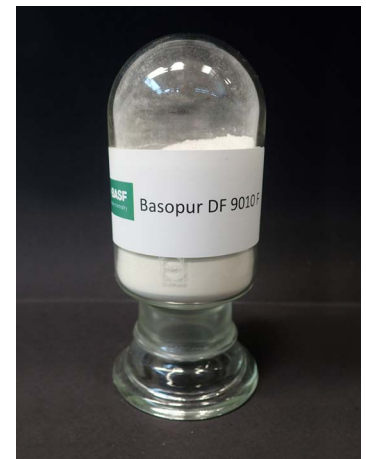
Additives used to **control** or **eliminate foam** in the cement slurry during mixing and pumping. This improves pumpability and provides better uniformity of the cement slurry.

Our products:

- ✓ **Maintain accurate slurry density**
- ✓ **Improve equipment performance**
- ✓ **Enhance cement integrity**

Special features:

- ✓ deliver **high-performance** even in high temperatures
- ✓ **low dosage efficiency**
- ✓ **powder** and **liquid** forms available based on needs



Product	Form	Chemistry	Temperature Stability		Dosage lb per bbl [ppb]	Retarding Behavior	Electrolyte Tolerance	
			°F	°C			Fresh Water	Sea Water
Basopur® DF 5	liquid	Ethoxylated fatty acid ester	up to at least 500°F	260°C	0.1 ppb or less	Mild	■	■■
Basopur® 9010 F	powder	Ethoxylated fatty acid ester / silicone	up to at least 300°F	150°C	0.2 – 1.5 ppb	Yes	■■	■■

Technical Support & Capabilities

At BASF, we offer our customers comprehensive technical support for cementing operations.

Option 1: customized cement slurry formulations

Based on detailed information provided by the customer about downhole conditions, we can develop **customized cement slurry formulations** using our **advanced additive technologies**. These tailored solutions are designed to meet specific operational challenges and performance requirements.

Option 2: robust base formulations

Alternatively, we can provide **robust base formulations** that serve as a starting point for further detailed testing in the customer's laboratory. This flexible approach ensures that our **customers receive optimized solutions** that **align with their unique well conditions and project goals**.



Customized solutions



Experienced team of chemists & application experts



Quality & consistency-backed brand



Driving Innovation Through Collaboration

Innovation is at the heart of BASF's approach to oilfield chemistry. In recent years, we have placed a **strong focus on developing sustainable technologies** that meet the evolving needs of the industry while minimizing environmental impact.

Our commitment to innovation goes beyond product development—**we actively seek collaborative partnerships with our customers to co-create solutions** for complex technical challenges.

Whether it's through joint development projects or tailored support, we are open to **working together to shape the future of cementing technologies**.

Supply

Once your solution has made it through the field trial and you're ready to order regular supply, BASF can **support you by evaluating optimal stocking points to reduce lead times**. Selected products are already in stock at various locations around the world. Additionally, we offer **various packaging solutions tailored to your needs**.



Sustainability

Sustainability is an important element of the BASF strategy, such that **we help enable our customers' green transformation**. Some of our products are registered with Cefas making them **a smart choice for use in more highly regulated markets** such as the North Sea. We are also able to provide a **product carbon footprint on request** for existing customers for most BASF produced products. Contact your local sales representative to learn more about BASF's approach to sustainability, and the sustainability benefits of our products.



For further information visit our website:
www.oilfield-chemicals.basf.com



Product availability may vary by region.

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