

BASF Oilfield Chemicals

Product Range



 **BASF**

We create chemistry



Cementing

| Function | Chemistry | Recommended Products |
|---|----------------------------------|--|
| Defoamers | Fatty alcohol alkoxyate | Basopur DF 5 Basopur DF 9010 F |
| Dispersants/ Super- Plasticizers | Polycarboxylate-based | Liquiment® 5581 F |
| Dispersants | Polycondensate-based | Liquiment® K3F Liquiment® Bio |
| Fluid Loss Additives | Synthetic sulfonated polymers | Polytrol® FL 32 Polytrol® FL 34 Polytrol® FL 45 Polytrol® FL 56 |
| Gas Blocking Additives | Styrene-butadiene latex | Basoblock LD 105 |
| | Polyethylenimine | Paragas® |
| Retarders | Synthetic products | CemR-10 CemR-50 |
| Spacer Fluids Additives | Surfactant blend | DisPlus 39 L DisPlus 50 |



Production

| Function | Chemistry | Recommended Products |
|---|--|---|
| Asset integrity | | |
| Biocides | Glutaraldehyde | Myacide® Protectol® |
| Cleaning Agents | Alcohol alkoxylates / alkylpolyglucosides | Basoclean Basosol |
| Corrosion Inhibitors | Acetylenic alcohols derivatives | Basocorr® PA Basocorr® PP |
| | 2-Mercaptoethanol synergist | Basocorr® ME |
| | Alkyl propionate | Basocorr® 2005 |
| H₂S Scavengers | Glyoxal (oxaldehyde) | Basolon® GL 40 EXP |
| Flow assurance | | |
| Paraffin Inhibitors / Pour Point Depressants | Hyperbranched polyesters | Basoflux® PI 1019 Basoflux® PI 1020 |
| | Polyacrylate | Basoflux® PI 3120 |
| | Modified polycarboxylates | Basoflux® PI 40 T Basoflux® PI 41 T Basoflux® PI 45 Basoflux® PI 4645X |
| | Polyacrylate / polyvinylester blends | Basoflux® RD 5119T Basoflux® RD 5120T |
| | Dispersions | Basoflux® PI 6320 Basoflux® PI 6410 |

| Function | Chemistry | Recommended Products |
|--|-------------------------------------|--|
| Scale Inhibitors | Polyacrylates | Basogan PA 25 CL-FR Basoscale D Basoscale SC 1058 |
| | Polycarboxylate-based | Basoscale BA 100 |
| Scale Dissolvers | Aminocarboxylic acids | Basosolve |
| | Methanesulfonic acids | Baso MSA |
| Low Dose Gas Hydrate Inhibitors | Vinylcaprolactam-based copolymers | Luvicap® 55W |
| | Vinylcaprolactam-based homopolymers | Luvicap® EG |
| Oil / water separation | | |
| Demulsifiers | Alkoxylated alkylphenol resins | Basorol® P DB-9429 Basorol® P DB-9934 Basorol® P DB-9935 Basorol® P DB-9945 Basorol® P DB-9946 Basorol® P DB-9947 Basorol® P DB-9954 Basorol® P DB-9954 A Basorol® P DB-9955 Basorol® P DB-9958 Basorol® RI-14 A Basorol® RI-15 A Basorol® RI-16 A Basorol® RX-17 A |

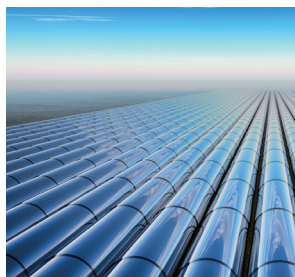


| Function | Chemistry | Recommended Products |
|----------|-----------|----------------------|
|----------|-----------|----------------------|

| | | |
|----------------------------------|-----------------------------------|--|
| Demulsifiers continued | EO / PO di-block polyols | Basorol® L 61 |
| | | Basorol® L 62 |
| | | Basorol® L 64 |
| | | Basorol® L101 |
| | | Basorol® P84 |
| | | Basorol® PE 9200 |
| | | Basorol® PE 10500 |
| | | Basorol® 17-R2 |
| | | Basorol® 17-R4 |
| | | |
| | Tri-functional polyether polyols | Basorol® K 2090 Basorol® K 3800 |
| | Tetra-functional amine alkoxyates | Basorol® P DB-5951 Basorol® P DB-9904 Basorol® 904 Basorol® 1301 |
| | Alkoxyated polyethyleneimines | Basorol® P DB-9360 Basorol® P DB-9390 Basorol® P DB-9392 Basorol® P DB-9393 Basorol® PDBD 1303 |
| | Diepoxides and esters | Basorol® P DB-9928 Basorol® DI-18 Basorol® DI-19 Basorol® DI-21 |

| Function | Chemistry | Recommended Products |
|----------|-----------|----------------------|
|----------|-----------|----------------------|

| | | | |
|------------------------------------|-----------------------|----------------------------------|----------------------------------|
| Water Clarifiers (Deoilers) | Polyacrylate | Alcomer® 216 Alcomer® DP 1 | |
| | Sulfosuccinate | Alcomer® D 17 | |
| | Acrylamide | Alcomer® 889 | |
| | Polyacrylate | Alcomer® 7109 | |
| | Epiamine | Alcomer® 7187 Alcomer® 7199 | |
| | PAC/PolyDADMAC | Alcomer® 7523 D | |
| | PEI | Alcomer® SK Basomin G 500 | |
| | EO/PO block | Basorol® 17-R2 Basorol® 17-R4 | |
| | Wetting Agents | Alcohol alkoxyate | Basosol® D250 |
| | | Alcohol ethoxyate | Basosol® ON 80 Basosol® XP 80 |
| Ethoxylated sorbitan ester | | Basorol® T-MAZ 80K | |



Stimulation

| Function | Chemistry | Recommended Products |
|---------------------------------------|--|---|
| Acids | Methanesulfonic acids | Baso MSA |
| Biocides | Glutaraldehyde | Protectol® GA 24 Protectol® GA 50 Myacide® GA 25 Myacide® GA 50 Myacide® GDA Technical |
| Corrosion Inhibitors | Acetylenic alcohols derivatives | Basocorr® PA |
| | Acetylenic alcohols derivatives, propoxylate | Basocorr® PP |
| Viscosifiers / Gelling Agents | Polyacrylamide-based copolymers | Alcomer® 120 B Alcomer® 755 |
| | Polyacrylamide-based inverse emulsion polymers | Alcomer® 889 |
| Non-Emulsifiers / Demulsifiers | Base-catalyzed alkylphenol resin | Basorol® P DB-9934 Basorol® P DB-9935 |
| | Acid-catalyzed alkylphenol resin | Basorol® RI-15 A Basorol® RI-16 A Basorol® RX-17 A |

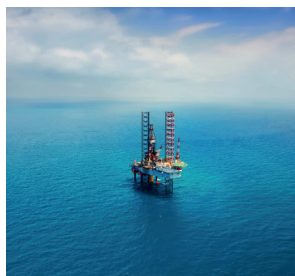
| Function | Chemistry | Recommended Products |
|--|------------------------------------|---|
| Non-Emulsifiers / Demulsifiers continued | EO / PO di-block polyols | Basorol® L 61 Basorol® L 62 Basorol® L 64 Basorol® L101 Basorol® P84 Basorol® PE 6400 Basorol® PE 10500 |
| | Tetra-functional amine alkoxyolate | Basorol® 904 |
| | Polyethyleneimine | Basorol® P DB-9360 Basorol® P DB-9390 Basorol® P DB-9392 Basorol® P DB-9393 |



Drilling

| Function | Chemistry | Recommended Products |
|---|--------------------------------|--|
| Scale Dissolvers / Iron Control Agents | Aminocarboxylic acids (EDTA) | Basosolve B |
| | Aminocarboxylic acids (H-EDTA) | Basosolve D |
| | Methanesulfonic acids | Baso MSA |
| | Polyacrylate polymers | Basoscale D |
| | Polycarboxylate polymers | Basoscale BA 100 Basoscale SC 1058 |
| Surfactants | Alkylpolyglucosid | Basoclean 80 Basoclean 100 Basoclean 200 Basoclean 220 Baso NT 600 UP |
| | Alcohol alkoxylate | Basosol® D 250 Basosol® ON 80 Basosol® T-MAX 80 K Basosol® XP 80 Basosol® TDA 9 Basosol® 8T Basosol® 10T |
| | Ethoxylated sorbitan ester | Basorol® T-MAZ 80K |

| Function | Chemistry | Recommended Products |
|-----------------------------|--------------------------------------|--|
| Bentonite Extenders | Polyacrylamide-based polymers | Alcomer® 1771 |
| Biocides | Glutaraldehyde | Myacide® GA 50 Myacide® GA 25 Protectol® GA 50 Protectol® GA 24 |
| Dewatering Additives | Polyacrylamide-based polymers | Alcomer® 24 Alcomer® 7109 Alcomer® 752 Alcomer® 755 |
| | Polyaluminiumchloride-based polymers | Alcomer® 889 Alcomer® 7523 D |
| | Epiamines | Alcomer® 7187 Alcomer® 7199 |
| Fluid Loss Additives | Synthetic sulfonated polymers | Polydrill® |
| | Polyacrylamide-based polymers | Alcomer® 507 |
| Shale Inhibitors | Polyacrylamide-based polymers | Alcomer® 120 B Alcomer® 783 |
| | Glycols | Basodrill 2000 Basodrill 2200 |
| | Polyetheramine | Baxxodur® EC301 Basodrill SI 3109S |
| Thinners | Synthetic sulfonated polymers | Polythin® |
| | Sulphonated copolymer | Basodrill 74L |
| Viscosifiers | Mixed metal hydroxide | Polyvis® II |



Chemical Components

| Function | Chemistry / Recommended Products |
|--|----------------------------------|
| Acid neutralizing corrosion inhibitors | Dimethylethanolamine (DMEA) |
| Anti-foaming agent | Dimethylaminopropylamine (DMAPA) |
| Corrosion Inhibition | N-Methylpyrrolidone |
| Imidazoline | AMIX |
| Methacrylate | Dimethylaminopropylamine (DMAPA) |
| Quats | Dimethylaminopropylamine (DMAPA) |
| Phosphonate backbone | Diethylenetriamine (DETA) |
| | Ethylenediamine |
| Phosphate enhancer | Polyetheramines |
| Shale inhibitors | Polyetheramines |
| Triazine | Ethylenediamine (EDA) |
| | Methylamines (MMA / DMA / TMA) |
| | Monoethanolamine (MEOA / MEA) |
| Triazine (hydrophobic) | 3-Methoxypropylamine (MOPA) |



Enhanced Oil Recovery (EOR)

| Function | Chemistry | Recommended Products |
|------------------------------------|-----------------------------|--|
| Surfactants | Alcohol alkoxyates | Aspiro™ S 1661 Aspiro™ S 1325 |
| | Alkylpolyglucosides | Aspiro™ S 2420 Aspiro™ S 2850 |
| | Alkyl ether sulfate | Aspiro™ S 3115 |
| | Alkyl benzene sulfonate | Aspiro™ S 5460 |
| | Cationic | Aspiro™ S 6420 |
| | Higher MW extended anionics | Aspiro™ S 8310 Aspiro™ S 8710 |
| Co-surfactants | Alcohol alkoxyates | Aspiro™ S 1140 X Aspiro™ S 1221 X Aspiro™ S 1235 X Aspiro™ S 1275 Aspiro™ S 1280 X Aspiro™ S 1415 X |
| | Polyacrylamide | Alcoflood 254S Alcoflood 955 |
| Water Shut-off Conformance Control | High Temperature PAM | Alcoflood 541 |
| | Polyethylenimine | Lupasol Series |

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



Product availability may vary by region.

The descriptions, designs, data and information contained herein are presented in good faith, and are based on BASF's current knowledge and experience. They are provided for guidance only, and do not constitute the agreed contractual quality of the product or a part of BASF's terms and conditions of sale. Because many factors may affect processing or application / use of the product, BASF recommends that the reader carry out its own investigations and tests to determine the suitability of a product for its particular purpose prior to use. It is the responsibility of the recipient of product to ensure that any proprietary rights and existing laws and legislation are observed. No warranties of any kind, either express or implied, including, but not limited to, warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth herein, or that the products, descriptions, designs, data or information may be used without infringing the intellectual property rights of others. Any descriptions, designs, data and information given in this publication may change without prior information. The descriptions, designs, data, and information furnished by BASF.