DORF KETAL ENERGY DIVISION

DORF KETAL' chemical technologies for ASSET INTEGRITY offer specially formulated solutions designed to help prevent damage to oil and gas production equipment.

LEARN MORE







SAFETY FIRST

Discover what Dorf Ketal can do for you.

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DORF ENERGY DIVISION KETAL®

ASSET INTEGRITY

DORF KETAL HAS THE RIGHT CHEMICAL TREATMENT FOR YOUR APPLICATION



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DORF ENERGY DIVISION KETAL®

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MAXSCAV™ - H_2S Scavengers

Dorf Ketal develops an H_2S scavenger optimized for your specific application.

SUBSEA

- Downhole, subsea-tree, or gas-lift injection.
- Catalyzed, non-nitrogenous organic chemistry.
- Rapid reaction kinetics and high scavenging efficiency in both low- and high-BSW environments.
- Non-alkaline pH.
- Maximum viscosity of 100 cP.
- High stability even under temperature and pressure fluctuations.
- Compatible with brines over a wide salinity range and with high calcium concentrations.

TOPSIDE / ONSHORE

- Triazine-based, glyoxal-based, or catalyzed non-nitrogenous organic products.
- Rapid reaction kinetics and high scavenging efficiency in both low- and high-BSW environments.
- Stable at moderate temperatures and pressures.
- Low viscosity.
- Compatible with brines over a wide salinity range and with high calcium concentrations.

GAS PIPELINES

- Excellent selective H_2S-scavenging capacity.
- Stable at high pressures.
- Low viscosity and low surface tension.

OFFLOADING INJECTION

- Rapid reaction kinetics in low-BSW environments.
- Stable at moderate temperatures and pressures.
- Low viscosity.

GUARDIAN™ - Corrosion Inhibitors

Dorf Ketal develops a corrosion inhibitor optimized for your application. Ask about products designed for subsea injection.

TWO-PHASE PIPELINE

- Excellent control of corrosion associated with H_2S, CO_2, chlorides, and galvanic effects.
- Compatible with solvents and brines.
- Excellent thermal stability.
- Low tendency to foam or form emulsions.
- Qualified for subsea injection.

PIPELINE WITH TOP-OF-LINE CORROSION

- Rapid reaction kinetics in low-BSW environments.
- Stable at moderate temperatures and pressures.
- Low viscosity.

OIL PIPELINE

- Controls corrosion associated with CO_2, O_2, and chlorides across low- to high-salinity environments.
- Soluble in medium-chain alkanes.
- Compatible with brines and solvents.
- Excellent thermal stability.
- Low tendency to foam or form emulsions.

MULTIPHASE

- Soluble in medium-chain alkanes.
- Excellent thermal stability.
- Shear-resistant.
- Low tendency to foam or form emulsions.

REINJECTION WATER

- Fully compatible with brine.
- Controls corrosion associated with CO_2, O_2, and chlorides.
- Low tendency to foam or form emulsions.

ACIDIC CONDITIONS

- Good thermal stability.
- Protects metal surfaces in acidic aqueous environments at moderate temperatures.

DEFENDER™ - Biocides for Injection Water and Slop Tanks

THPS-BASED BIOCIDES

- Fast action and excellent biofilm control.
- Biocides combining THPS with biopenetrants provide superior microbiological control.
- Suitable for produced water/slop, multiphase systems, and injection water.

QUATERNARY-BASED BIOCIDES

- Suitable for injection water.
- Non-oxidizing active ingredient.
- Moderate rate of microorganism control.
- Suitable for continuous dosing.

GLUTARALDEHYDE-BASED BIOCIDE

- Rapid control with preservative properties.
- Thermal stability over a wide temperature range.
- Non-corrosive.
- Ready-to-use product.

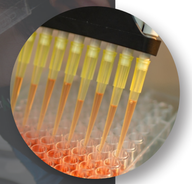
DBNPA-BASED BIOCIDES

- Rapid microorganism control.
- Suitable for shock dosing.
- Compatible with reverse-osmosis membranes.

COMBINATION BIOCIDES

- Synergistic microorganism-control effect.
- Highly effective against microorganism populations resistant to conventional active ingredients.









DORF ENERGY DIVISION KETAL®

SYNTREAT™ - Multifunctional Products

CORROSION INHIBITOR + DEMULSIFIER – GAS LIFT

- Excellent H_2S-scavenging capacity.
- Good performance in reducing emulsion viscosity, thereby supporting artificial lift and production.
- Compatible with a wide range of solvents and brines.
- Excellent thermal stability.
- Does not compromise the integrity of metallic or non-metallic materials.

H_2S SCAVENGER + BIOCIDE

- Suitable for slop-tank applications.
- Excellent H_2S-scavenging capacity and bacterial control.
- Compatible with brine.
- Good thermal stability.

CORROSION INHIBITOR + DEMULSIFIER – DOWNHOLE

- Good performance in reducing emulsion viscosity, thereby supporting oil lifting.
- Good brine compatibility.
- Good stability under temperature and pressure fluctuations.
- Does not compromise the integrity of metallic or non-metallic materials.
- Nonflammable.

H_2S SCAVENGER + SCALE INHIBITOR

- Excellent H_2S-scavenging capacity.
- Good control of inorganic scale.
- Excellent brine compatibility.
- Excellent thermal stability.
- Does not compromise the integrity of metallic or non-metallic materials.

H_2S SCAVENGER + DEMULSIFIER – DOWNHOLE

- Excellent thermal stability.
- Low tendency to generate foam or form emulsions.
- Compatible with high-salinity brines.
- Effective for medium- to high-API-gravity crude oils.

INHIBITED ACETIC ACID

- Suitable for multiphase systems.
- Lower corrosivity toward the injection system.
- Recommended for light, medium, and heavy crude-oil systems, including high-salinity conditions.
- Helps reduce dissolved total oil and grease (TOG).

Formulated MDEA – Acid Gas Removal

FORMULATED MDEA AMINE

- Fast-acting acid-gas-removal solution with high selectivity for H_2S and CO_2 absorption.
- Can be regenerated using low-pressure steam.
- Low heat of reaction with acid gases.
- High resistance to degradation.

OXITREAT™ - Oxygen Scavengers

OXYGEN CORROSION CONTROL

- Excellent selective O_2-scavenging capacity.
- Sodium metabisulfite- and sodium bisulfite-based chemistries.
- Stable solutions with high active-ingredient concentrations.
- High-purity formulations with controlled levels of soluble metals.