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COMPANY GENERAL CATALOG

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# OILFIELD CHEMICAL SOLUTIONS

Specialized supplier of high-quality Drilling, Cementing & Stimulation Additives, Equipment, and Spare Parts.

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**MAFCO INTERNATIONAL**

General Trading LLC



[www.mafcointernational.ae](http://www.mafcointernational.ae)

# OILFIELD CHEMICAL SOLUTIONS

Established in 2006, MAFCO International General Trading has been a reliable and capable supplier in oil and gas chemical additives, equipment, and spare parts.

## 01 OUR MISSION

To actively supply high-quality drilling, cementing, and stimulation additives that strictly comply with API standards and client requirements. We partner with leading manufacturers from Europe, India, and China to deliver reliable, field-proven solutions that meet the challenging requirements of upstream operations.

## 02 GLOBAL SOURCING

MAFCO provides International Procurement Services specializing in the sourcing of equipment and spare parts at competitive prices.

USA & Canada

Europe

India

Far East / China



## CORE CAPABILITIES

- ✓ Specialized Cementing Additives
- ✓ Well Stimulation Chemicals
- ✓ Drilling Fluid Additives
- ✓ Equipment & Spare Parts

# CERTIFICATIONS & SUPPORT

QUALITY ASSURANCE & TECHNICAL EXCELLENCE

## QUALITY STANDARDS

MAFCO International maintains the highest industry standards, ensuring all products meet stringent performance criteria required for modern oilfield operations.

### **ISO 9001:2015**

Quality Management System ensuring consistent product excellence and operational traceability.

### **ISO 14001:2015**

Environmental Management System focused on sustainability and reducing ecological impact.

### **ISO 45001:2018**

Occupational Health & Safety Management System prioritizing the well-being of our workforce.

### **Oilfield Standard Compliance**

Strict adherence to American Petroleum Institute specifications for optimal oilfield performance.

## TECHNICAL SERVICES

Our engineering team provides comprehensive technical support from laboratory formulation to execution, tailored to specific well conditions.



### **LAB TESTING**

- Slurry Design
- Thickening Time
- Fluid Loss Eval



### **CONSULTING**

- Formulations
- Cost Optimization



### **FIELD SUPPORT**

- On-site Prep
- Trouble-shooting
- Supervision



### **QUALITY CONTROL**

- Batch Testing
- COA Generation

*"Committed to excellence in every drop, every job, every time."*

DIRECT TECHNICAL SUPPORT



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MAFCO supplies a comprehensive range of cementing additives designed to ensure well integrity, optimize zonal isolation, and perform reliably under challenging downhole conditions.

## PRODUCT SPECIFICATION

ADDITIVE TYPE	DESCRIPTION	TYPICAL APPLICATION
<b>Fluid Loss Control</b>	Synthetic polymers and cellulosic derivatives that prevent the loss of aqueous phase into permeable formations.	Maintains consistent slurry density and prevents premature dehydration during placement.
<b>Cement Retarders</b>	Chemical agents that extend the thickening time of cement slurries.	Essential for deep, high-temperature wells to allow adequate time for safe placement.
<b>Dispersants (Friction Reducers)</b>	Polymers that reduce slurry viscosity by modifying the surface charge of cement particles.	Improves pumpability, allows for higher density slurries, and aids in turbulent flow during displacement.
<b>Accelerators</b>	Inorganic salts that speed up the hydration process and early strength development.	Used in shallow, low-temperature wells to reduce waiting-on-cement (WOC) time.
<b>Extenders</b>	Materials like Bentonite or Sodium Silicate that allow higher water-to-cement ratios.	Lowers slurry density for cementing weak formations prone to lost circulation.
<b>Anti-Gas Migration</b>	Latex additives or specialized polymers that maintain an impermeable gel structure.	Prevents annular gas flow during the critical transition phase of cement setting.
<b>Defoamers</b>	Silicone or alcohol-based chemicals that prevent or break foam.	Ensures accurate density measurement and prevents air entrainment during mixing.



# STIMULATION ADDITIVES

Our comprehensive range of well stimulation chemicals are engineered to maximize well performance, restore formation permeability, and optimize fluid dynamics during acidizing and fracturing operations.

ADDITIVE TYPE	DESCRIPTION	APPLICATION / BENEFIT
<b>Acid Corrosion Inhibitors</b>	Formulated blends of organic compounds and surfactants that form a protective film on metal surfaces.	Prevents tubular damage during matrix acidizing and acid fracturing up to high temperatures.
<b>Iron Control Agents</b>	Chelating agents and reducing agents that maintain iron species in solution.	Prevents precipitation of ferric hydroxide and iron sulfide scale during acid spending.
<b>Non-Emulsifiers</b>	Surface active agents that reduce interfacial tension between acid and formation fluids.	Prevents stable emulsions, ensuring rapid clean-up and improved well productivity.
<b>Mutual Solvents</b>	Dual-solubility chemicals (typically glycol ethers) that dissolve in both water and oil phases.	Removes water blocks, leaves rock water-wet, and improves treatment fluid penetration.
<b>Friction Reducers</b>	High molecular weight polymers (typically polyacrylamides) for slickwater applications.	Minimizes pipe friction pressure during high-rate pumping operations.
<b>Anti-Sludge Agents</b>	Specialized dispersants and surfactants tailored to specific crude oil compositions.	Prevents asphaltic sludge formation when crude contacts strong acids.
<b>Scale Inhibitors</b>	Phosphonates or polymeric compounds that threshold-inhibit crystal growth.	Prevents calcium carbonate, barium sulfate, and other mineral scale depositions.

# DRILLING ADDITIVES

High-Performance Fluid Solutions for Complex Wells

MAFCO provides a comprehensive suite of high-performance drilling fluid additives designed to optimize drilling efficiency, minimize wellbore instability, and ensure environmental compliance across diverse geological formations.

PRODUCT CATEGORY	DESCRIPTION & FUNCTION	PRIMARY APPLICATION
<b>Viscosifiers</b>	Premium bentonite, Xanthan Gum (XC Polymer), and synthetic polymers that provide rheological properties to suspend cuttings and weighting materials.	Water & Oil Based Muds (WBM/OBM)
<b>Fluid Loss Control</b>	Polyanionic Cellulose (PAC-R/PAC-LV), starch derivatives, and specialized resins that form thin, impermeable filter cakes.	Permeable formation protection
<b>Shale Inhibitors</b>	PHPA polymers, Potassium Chloride substitutes, and amine-based inhibitors that prevent reactive clay swelling and shale hydration.	Reactive shale drilling
<b>Lubricants</b>	Environmentally acceptable ester-based, glycol-based, and extreme-pressure (EP) lubricants that reduce torque and drag.	Highly deviated & horizontal wells
<b>Weighting Agents</b>	High specific gravity API grade Barite (Barium Sulfate), Calcium Carbonate, and Hematite to control formation pressures.	High-pressure zones
<b>Lost Circulation Materials (LCM)</b>	Blends of fibrous, flaky, and granular materials (mica, nut plug, calcium carbonate) designed to seal fractures and porous zones.	Fractured & vugular formations
<b>Defoamers / Biocides</b>	Alcohol and silicone-based defoamers for trapped air. Amine and glutaraldehyde-based biocides to prevent bacterial degradation.	Mud system maintenance



## Oilfield Standard Compliance

All drilling fluid additives meet or exceed API 13A specifications and rigorous internal quality control standards.

# DRILLING FLUIDS & EQUIPMENT

## DRILLING FLUID ADDITIVES

Product Name	Description / Function	Typical Application
Bentonite (API Grade)	High-yield sodium montmorillonite clay used to increase viscosity and reduce fluid loss.	Water-based mud systems
Barite (API Grade)	High-density barium sulfate ore used to increase the density of drilling fluids.	Weighting agent for all muds
PAC (Regular & Low Vis)	Polyanionic cellulose polymer for fluid loss control and shale encapsulation.	Viscosifier & Filtration control
Xanthan Gum (XC Polymer)	High molecular weight biopolymer providing excellent low-shear-rate viscosity and suspension.	Rheology modifier
Shale Inhibitors	Amine-based or potassium-based additives that prevent clay swelling and dispersion.	Reactive shale formations

## SPARE PARTS & EQUIPMENT

Category	Equipment / Parts Included	Industry Application
Pumping Systems	Mud pump fluid end expendables, liners, pistons, valves, and seats. Centrifugal pumps.	Drilling fluid circulation
Valves & Flow Iron	High-pressure plug valves, check valves, relief valves, pup joints, swivel joints, and manifolds.	Well stimulation & cementing
Handling Tools	Elevators, slips, tongs, safety clamps, and specialized pipe handling equipment.	Rig floor operations
Solids Control	Shale shaker screens, hydrocyclones, desanders, desilters, and mud agitators.	Fluid separation systems

## Partnering for Excellence

At MAFCO International, we are committed to providing premium oilfield chemical solutions and exceptional service. Reach out to our team of experts for inquiries, technical support, or partnership opportunities.



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