PACIFIC
OIL FIELD SOLUTIONS



Innovative Solutions For Oil Field Industry

www.pacificfze.com

Rotary Kiln / Drier





Dry Mixer

WHO WE ARE

With over 10 years of Expertise & Excellence in Manufacturing and Supplying Oil Field Chemicals, PACIFIC has strengthened its footprint in the Oil Drilling & Exploration, Construction Chemicals Industries.

PACIFIC, is the most trusted brand in Oil Field Chemicals and one of the largest Manufacturer & Supplier for Drilling Fluids, Mud Chemicals and Drilling Specialty Chemicals, Production & Treatment Chemicals, Construction Chemicals. We have started our journey as a Mineral Processor about 10 years ago. With our corporate offices for International Business in Dubai, UAE and India, PACIFIC caters to the increasing requirements of its clients in the Middle East, Africa & CIS countries through its divisions, branches and partners.

An ISO 9001:2015 Certified

An ISO 14001:2015 Certified

An ISO 45001:2018 Certified





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CEMENTING SOLUTIONS

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CEMENTING PRESSURE PUMPING SOLUTIONS



Cementing chemicals are crucial in oil drilling operations, especially during the well cementing process. Pacific cementing chemicals enhance the performance of cement slurry to ensure the well integrity, prevent fluid migration, and protect the casing from corrosion. Pacific chemicals based on the needs and the site conditions.

CENOSPHERE: SARLITE MA80 / PACIFIC MA80

A cenosphere is a lightweight, inert, hollow sphere made largely of silica and alumina and filled with air or inert gas. The products is manufactured in India.

In the Oil and Gas industry cenosphere is used as an additive in drilling mud when drilling wells for various purposes. This application significantly increases the efficiency and service life of the drilling equipment.

The products has density range between 0.70 - 0.85 g/cc and crush strength up to 5000 PSI.

HOLLOW GLASS BUBBLES – PGM 30, 40, 46 and 60

Hollow glass microspheres (PGM) is a kind of ultra-lightweight inorganic nonmetallic power, and it is a versatile and new high-performance lightweight filler material developed in recent years. The products are developed for low crush to medium crush values for oilfield industry mainly

With unique combinations of shape and size, as well as lower density and higher compressive strength, our PGM product is made of engineered hollow glass microspheres. It offers superior strength to density ratios and prevents fluid loss and formation damage during well completion, whilst bringing numerous sustainability benefits.

PGM brings better pressure stability, which can lead to less formation cracking and reduced rework. This in turn leads to resource efficiencies and cost savings.

PGM can also bring health and safety benefits - cementing crews are less exposed to dust when using our product, increasing handling safety.

The larger particle size also leads to lower slurry rheology, which means less energy should be required for pumping

SILICA SAND/FLOUR – Cementing grade - Sand 100, Flour 200, fine Silica

Silica Sand / Flour that inhibits strength retrogression in Oil Well cements at elevated temperatures. As a cement extender it prevents cement sedimentation by increasing low shear viscosity. Silica Flour has been widely used in cementing wells in combination with refractory-type cements.

Fine Silica Sand is mixed with cement to counter high temperatures that have an adverse effect on the compressive strength of the well. It is an additive that is mixed with cement to 35-40% (BWOC) but percentage can also be scaled down to 20% (BWOC) in areas with the presence of CO2 to improve its properties that counter strength retrogression and lower the permeability of cement in high temperature wells as curing progresses. A set cement that consists of a cement silica ratio less than or equal to 1.0 tends to have higher compressive strengths and lower water permeability.

DISPERSANT CEMENT – CD 12 (Powder/Liquid) - High Temp. & Low Temp.

Dispersant (reduce slurry consistency): They are used to reduce the viscosity of the cement slurry and are useful in designing high density slurries and improve fluid loss control.

DEFOAMER AF grades

Many additives cause foaming problems during slurry mixing, causing the centrifugal pump to air lock and affect the pumping pressure. The slurry can be mixed with anti-foamers (defoamers) to avoid foaming. The product has excellent defoaming properties and is widely used in Cementing industry.

SILICA FLUID – SF 50L

Silica reacts with calcium hydroxide during the cement hydration process, creating an additional phase of CSH (calcium-silica-hydrogen) that increases the strength. They affect thickening time, compressive strength, porosity and permeability within the cement

EXPANSION AGENT – High Temp. & Low Temp.

Expansion additive causes the exterior dimensions of set cement to grow slowly when the cement is in the presence of down-hole fluids. This minor growth of the exterior dimensions of the slurry causes the cement to bond better to pipe and formation.

ANTI SETTING AGENT – ASA Grades

Anti-settling agents are used in cementing in order to allow the cement to settle properly without the inclusion of sediment solids, and it will helps to avoid any sedimentation issues in the cement slurry.

FLUID LOSS CHEMICALS – High Temp. & Low Temp.

The fluid loss additives reduce the rate at which water from cement is forced into permeable formations in cases of positive differential pressure.

Fluid loss additive is also known as macro plugging materials. Lost-circulation additives are used to plug zones that have a tendency to draw in fluid because they are unconsolidated or weak. Large particulates can be placed in the cement slurry to prevent fracturing or to bridge existing fractures. These particles should have a broad particle size distribution, should not accelerate or retard excessively, should have sufficient strength to keep a fracture bridged, and should be inexpensive and non-toxic

RETARDER – High Temp. & Low Temp.

Retarders are used to increase the setting or thickening time of cement slurries or retard the cement setting, and are generally used in cases of high temperatures. They do not decrease the compressive strength of the cement but slow down the rate of strength development.

SBR LATEX – L68 / LATEX STABILIZER – LT 10

Latex is used to provide gas-migration control, improve durability and improve bonding. It also offers excellent fluid-loss control. Latex additives also impart some acid resistance to cement.

WEIGHING AGENTS – WA Grades

They allow the formulation of high density cement slurries that are normally required when the bottom hole pressure in the well is high.

GELLING AGENT

Gelling agents play a crucial role in drilling and hydraulic fracturing (fracking) operations in the oil field industry. They are primarily used to increase the viscosity of fluids, which helps in suspending solids, transporting materials, and controlling fluid loss. These gelling agents enable better control over the fluid behavior and improve the efficiency of oil extraction processes.

SPACERS

In the oil field, spacers are specialized fluids used during well cementing operations to separate different fluids, such as drilling mud and cement. Their primary function is to ensure the integrity of the well by helping to displace the drilling fluid from the wellbore and creating a clean interface for the cement to bond with the casing and the formation. Effective use of spacers is essential for the success of well completion and the long-term stability of the well.

SELF-HEALING CEMENT

Self-Healing Cement is an advanced material designed to automatically repair any cracks, fissures, or microfractures that may form after the cement has been placed in oil and gas wells. The key feature of self-healing cement is its ability to reactivate and heal cracks when they form, ensuring continued sealing performance without the need for intervention. The healing process generally involves either chemical or physical mechanisms that are triggered when the cement comes into contact with fluids like water, oil, or gas that enter the cracks.

MICRO-FINE CEMENT

Micro Fine cement or additives are used in oil field chemicals, particularly in cementing, drilling, and stimulation operations. These micro-fine additives are employed to improve performance in specific applications like sealing fine cracks, enhancing wellbore integrity, and addressing issues related to permeability and fluid migration. Micro-fine additives are highly effective in addressing challenges such as lost circulation, micro-annuli formation, wellbore instability, and fluid migration in oil field operations.

SODIUM SILICATE LIQUID

Sodium Silicate, also known as water glass, is a versatile compound used in various oil field applications due to its chemical properties, particularly in its liquid form. Its primary role in oil field operations is as a sealant, stabilizer, and binder.Sodium Silicate liquid is an essential chemical in oilfield operations due to its sealing, stabilizing, and water control properties, improving wellbore integrity, cementing quality, and enhanced oil recovery efforts.

PACIFIC STIMULATION CHEMICALS ON OIL FIELD APPLICATIONS

Pacific customized solutions backed by field-proven chemistry based on international Standards.

Pacific chemicals are used during the stimulation process to increase the flow of hydrocarbons from reservoirs to the wellbore, typically during hydraulic fracturing (fracking) or matrix acidizing. Pacific acidizing chemicals are effective over a wide temperature range and for a variety of acid blends

• Pacific **Acid retarders/emulsifiers** slow down acid reaction time to ensure maximum penetration of live acid into the formation.

• Pacific **Acid-gelling agents** reduce fluid loss in the formation and increase fracture conductivity.

• Pacific **Acid Corrosion Inhibitor** protects metal surfaces and minimizes damage to assets. Acid corrosion inhibitor intensifiers increase the effectiveness of inhibitors at higher temperatures.

• Pacific **iron control / sequestering agents** prevent the precipitation of iron from spent acid fluids.

• Pacific **anti-sludge agents** prevent acid sludge formation to improve cleanup.

• Pacific **friction reducers,** reduce induced fluid turbulence in tubular, which decreases horsepower requirements.

• Pacific **Surfactants** reduce surface and interfacial tension, help prevent emulsions, alter formation wettability, and improve flowback.

• Pacific **Water gelling agents** are intended to decrease friction pressure and achieve increased viscosity through cross-linking.

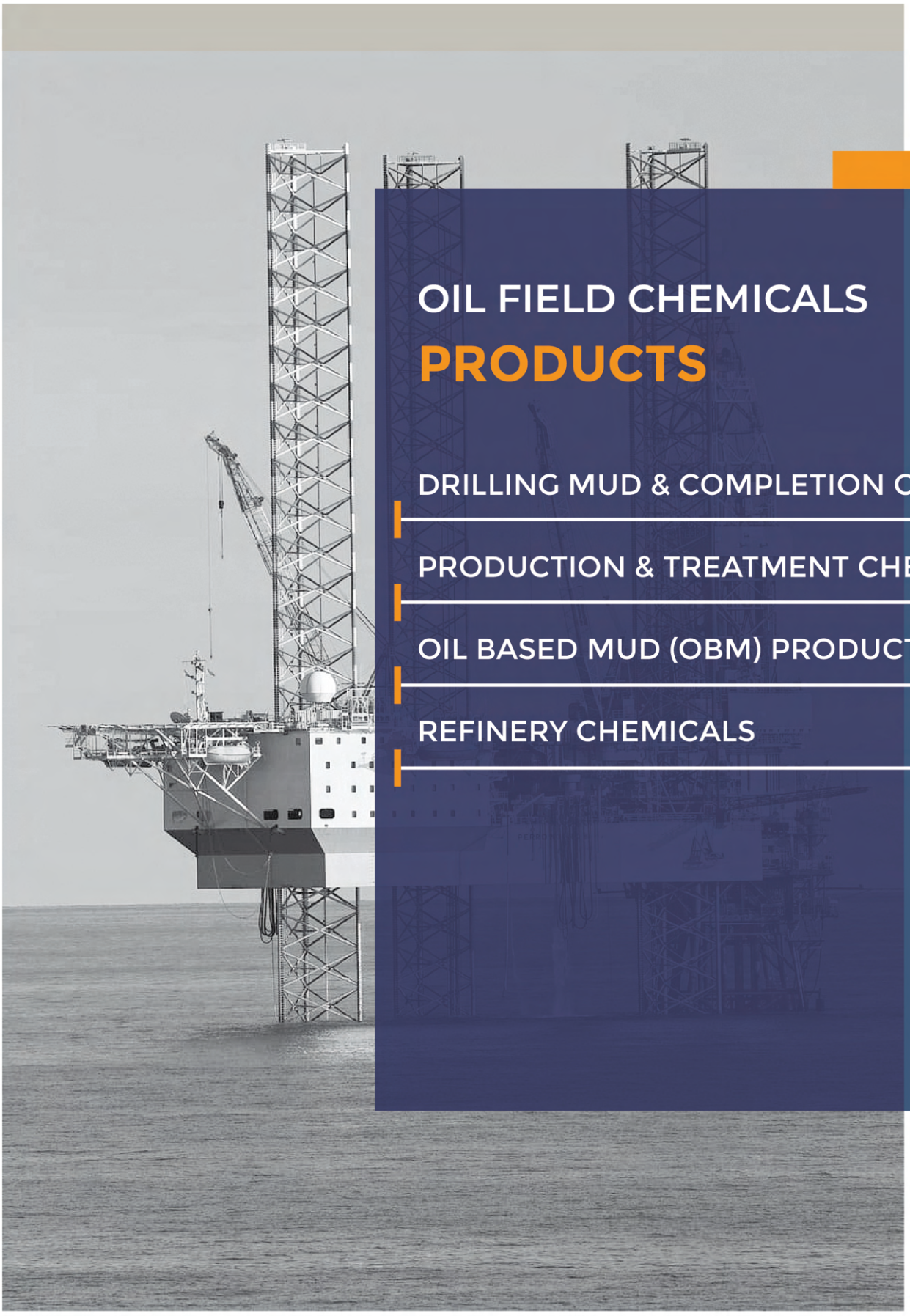
• Pacific **Crosslinkers** work effectively to boost viscosity, minimize water requirements, and improve proppant placement.

• Pacific **Breakers** intended for breaking crosslinks to lower a fluid's viscosity, degrading water gels back to a watery consistency.

• Pacific **Biocides** quickly and effectively deliver microbiological control in a range of applications.

Scale inhibitors developed to prevent calcium sulfate, barium sulfate and calcium carbonate scale formation.

• Pacific **Formation Stabilizers** intended to prevent formation damage that can result from the swelling and/or migration of clay.



OIL FIELD CHEMICALS
PRODUCTS

- DRILLING MUD & COMPLETION CHEMICALS
- PRODUCTION & TREATMENT CHEMICALS
- OIL BASED MUD (OBM) PRODUCTS
- REFINERY CHEMICALS

FLUID LOSS CONTROL ADDITIVES

PACIFIC STARCH | Modified Drilling Starch API

PACIFIC PAC HV | Poly Anionic Cellulor High Viscosity

PACIFIC CMC | Carboxy Methyl Cellulose High Viscosity

PACIFIC PAC LV | Poly Anionic Cellulor Low Viscosity

WEIGHT MATERIALS

Barite | Barite Powder API 4.1SG

Barite | Barite Powder API 4.2 SG

Barite NT | Non Treated Barite

Barite OCMA | OCMA Grade Bentonite

SHALE STABILIZER

PACIFIC MCPG | Cloud Point Glycol Medium

PACIFIC HCPG | Cloud Point Glycol High

PHPA P | PHPA Powder

PHPA L | PHPA Liquid

PACIFIC SA | Sulphonated Ashpalt

PACIFIC
OIL FIELD SOLUTIONS

LOST CIRCULATION MATERIAL

PACIFIC Mica | Mica Flakes

PACIFIC SHELL | Walnut Shell Grit

PACIFIC SEAL | Kwik Seal

PACIFIC Fibre | Cellulose Fibre

PACIFIC CC | Calcium Carbonate

CORROSION INHIBITORS / SCAVENGERS

PACIFIC CI 10 | Biocide Amine Type

PACIFIC CI 20 | Biocide Aldehyde Type

PACIFIC OS | Oxygen Scanvenger

PACIFIC H2S - 50 /55 | H2S Scavenger

EMULSIFIERS

PACIFIC P 10 | Primary Emulsifier

PACIFIC S 10 | Secondary Emulsifier

PRODUCTION AND TREATMENT CHEMICALS

- PACIFIC PPD | Pour Point Depressant
- PACIFIC DEM | De Emulsifier
- PACIFIC Bio 25 | Biocide Glutaraldehyde base
- PACIFIC CI | Corrosion Inhibitor
- PACIFIC AS | Anti Sludge Agent
- PACIFIC NABR | Calcium Bromide
- PACIFIC CABR | Sodium Bromide

OIL BASED PRODUCTS (OBM) PRODUCTS

- PACIFIC E 501 | Primary Emulsifier
- PACIFIC E 502 | Secondary Emulsifier
- PACIFIC WA | Wetting Agent
- PACIFIC RM | Rhelogy Modifier
- PACIFIC FLC | Fluid loss Control Additive
- PACIFIC OC | Organophylic Clay Viscosifier

PACIFIC
OIL FIELD SOLUTIONS

DEFOAMER

- PACIFIC Defoamer D 100 | Alcohol Based Defoamer
- PACIFIC Defoamer D 200 | Butyl Phosphate Based Defoamer
- PACIFIC PAC LV API | Poly Anionic Cellulor Low Viscosity - API Grade
- PACIFIC Defoamer D 300 | Silicon Based Defoamer
- PACIFIC Defoamer D 400 | Stearate Based Defoamer

MUD LUBRICANTS, SURFACTANTS & SPOTTING FLUIDS

- PACIFIC EP1 | Extreme Pressure Lubricants
- PACIFIC WS1 | Water Soluble Lubricants
- PACIFIC SPOT | Stuck Pipe Lubricants
- PACIFIC Surfa A | Anionic Surfactant
- PACIFIC Surfa C | Cationic Surfactant
- PACIFIC DD | Drilling Detergent

SERVICES



INVENTORY SUPPORT

We support the growing emergency requirements of the products for our Projects, Associates & Partners around the world, PACIFIC has taken an initiative to maintain an adequate stock of our products corresponding to individual projects through individual product consumption analysis, on the basis of confirmed requirement in advance.

On accessing the Support, Customers / Users can get clear access to availability of ready stock at any given point of time. This support will save the time and cost related to emergency transport requirements to avoid rig shut-downs, or the unnecessary and expensive purchase of regional stocks.

In addition, we are up with a programme of maintaining regional stock availability for longterm projects.
We establish our services as per the requirements of our Customers to ensure the full fledged support.



LAB SERVICES

PACIFIC is equipped with state of the art Lab services with a wide range of testing equipment especially for testing Cementing & Stimulation Additives, Mud Chemicals & Specialty Drilling Fluids from brands Ofite, Fann, Brookfiled etc.

We have developed modern testing methods to meet the latest API, ISO specifications and recommended practices. We maintain strict quality control procedures on all testing procedures to meet high industry standards and our labs play an integral role in our Quality, testing, and Product Approval.

We provide testing services for all Drilling Fluids, Mud Chemicals, Cementing & Stimulation Chemicals & other Commercial Chemicals which includes Parameters Testing, Product Research & Analysis and Inspection, Quality Assurance & Product Evaluation.



QUALITY & HSE

HEALTH, SAFETY & ENVIRONMENT

The Company gives lot of importance to Health, safety and environment of the staff, labor and the surroundings. The Company has registered its staff and labors under ESI, where they get regular checkups and free medication. Company has provided the labor with protecting masks, protective wares and helmets. Company also educates the labors to maintain hygienic surroundings and atmosphere in and around the units. ALL the facilities are landscaped with ample number of trees and greenery to the freshness of nature.

QUALITY CONTROL

Company maintains In-house Quality Control Procedures (IQCP) to give the best quality material to the buyers. Quality procedures start right from the mine or raw materials till the loading of product. Regular samples have been taken from the crude ore and raw materials reaching our facility based on the specs it is unloaded at differed prescribed marked points in the premises of the units. While production, Regular samples have been taken for every hour and check them at the lab and stock the material at the warehouse after confirmation from the lab. Further company has nominated SGS Lab for continuously monitoring the quality for the daily production at the Company facilities and BV, SGS and Intertek Moody labs to test the products before every dispatch. Company maintains material production strictly as per API, ISO Standards. All our facilities are equipped with state of the art Laboratories and R&D centers.

BLENDER - 10KL



PACIFIC
OIL FIELD SOLUTIONS

PACIFIC MIDDLE EAST PRODUCTS TRADING LLC
ABU DHABI



PACIFIC MIDDLEEAST CHEMICAL BLENDING CO LLC

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