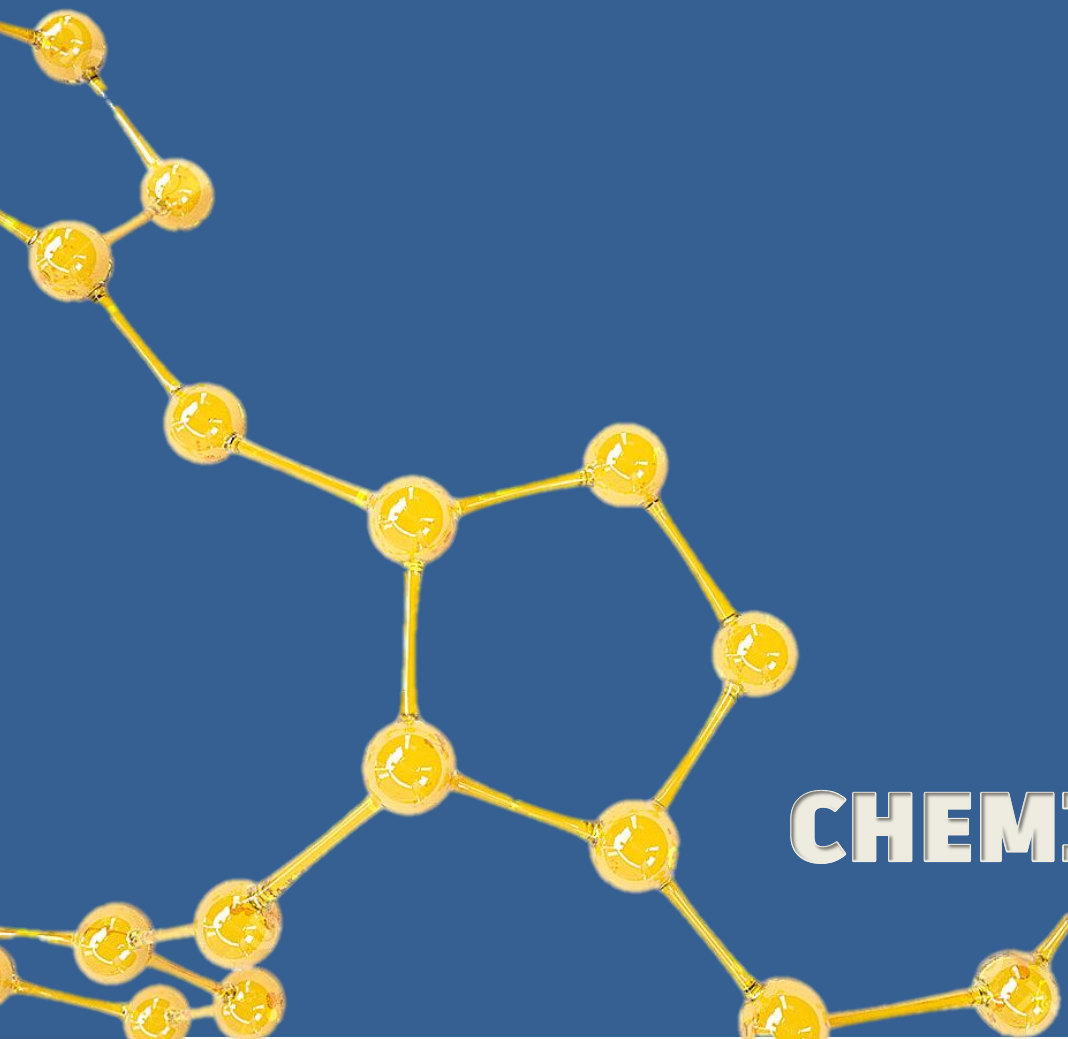




**Petroleum Services
& Engineering**

Chemical Solutions Department



CHEMICALS

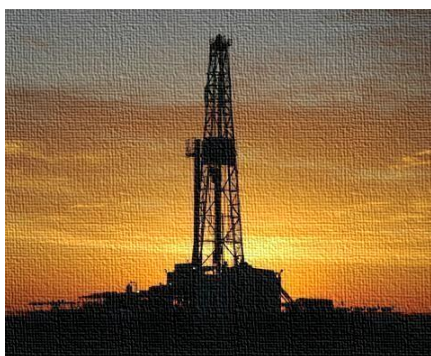
CHEMICALS SOLUTIONS

The Chemical Solutions Department of **MGM** Company is dedicated to delivering high-performance chemical products and services to support Iraq's growing oil, gas, and industrial sectors. With extensive experience in the field, MGM supplies a full portfolio of production chemicals, refinery treatment chemicals, and laboratory-grade reagents, serving leading oil companies across drilling, production, refining, and utility operations.

Our production chemicals includes essential treatment products such as demulsifiers, H₂S scavengers, biocides, corrosion inhibitors, scale inhibitors, asphaltene and wax control additives, defoamers, and oxygen scavengers, all formulated to withstand the demanding conditions of oilfield operations.

For downstream facilities, MGM supplies refinery process chemicals including pH control agents, amine treatment chemicals, fuel additives, degreasers, and solvents, ensuring improved plant performance, safety, and product quality across refining operations.

In addition, we provide a comprehensive range of laboratory chemicals and supplies, including analytical-grade solvents, acids, bases, salts, and specialty reagents. All laboratory products are sourced from trusted international manufacturers, and can be supplied alongside glassware and testing instruments to support in-house quality control.



Services

Some of the MGM chemical services and products are categorized in following fields:

- **Oilfield and Refinery Chemicals:**

Oilfield and refinery chemicals are specialized agents that enhance production, protect equipment, and ensure product quality. They include demulsifiers, corrosion and scale inhibitors, antifoams, desalting agents, and other process additives, helping maintain safe, efficient, and reliable operations.

- **Laboratory Reagents & Instrumentations:**

Laboratory chemicals are high-purity reagents and compounds used for testing, analysis, and research in scientific and industrial labs. They include acids, bases, solvents, indicators, and specialty reagents, ensuring accurate results and reliable performance in various laboratory applications. Laboratory equipment supply involves providing essential instruments, glassware, and tools required for testing, analysis, and research.

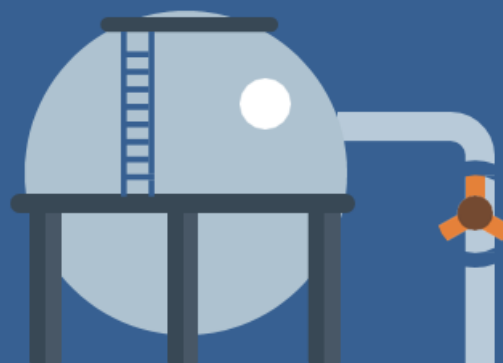


- **Chemical Management & Injection Skids:**

We provide complete chemical management solutions and supply high-quality injection skids designed for accurate and reliable chemical dosing. Our services cover chemical selection, storage, handling, and injection systems

- **Advanced Laboratory Analysis:**

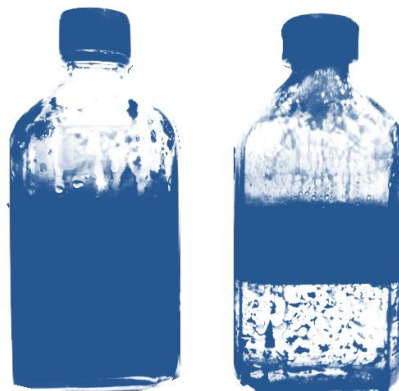
Advanced Laboratory Analysis refers to high-level, specialized testing that goes beyond routine procedures, using sophisticated instruments and methods to obtain detailed chemical, physical, and performance data. It is essential for diagnosing complex issues, verifying product quality, and supporting research, development, and process optimization.



Production Chemicals

Demulsifier

- Oil-Soluble Demulsifiers (OSD)
- Water-Soluble Demulsifiers (WSD)
- Amphiphilic Demulsifiers



Corrosion Inhibitor

- Oil-Soluble Corrosion Inhibitors
- Water-Soluble Corrosion Inhibitors
- Film-Forming Corrosion Inhibitors
- Volatile Corrosion Inhibitors (VCI)
- Vapor Phase Corrosion Inhibitors



Anti-Foam

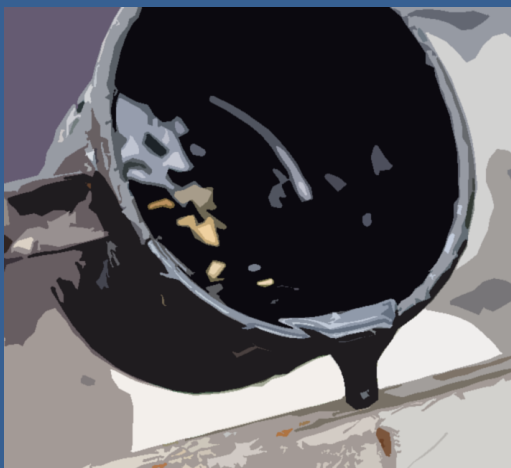
- Oil-Based Antifoams
- Water-Based Antifoams
- Silicone-Based Antifoams
- Non-Silicone Antifoams



Production Chemicals

H₂S Scavenger

- Water-Based H₂S Scavengers
- Oil-Based H₂S Scavengers



Asphaltene Inhibitor

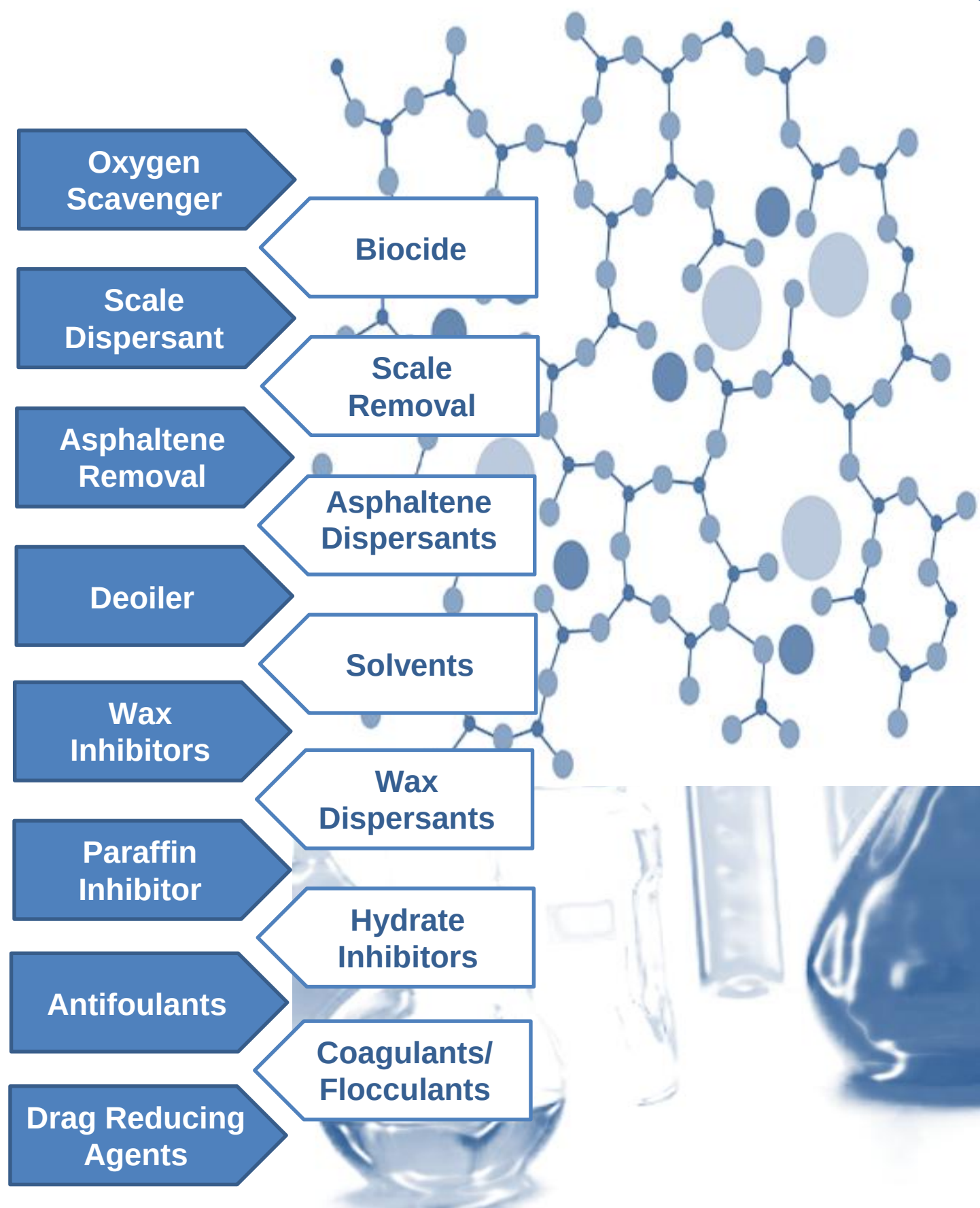
- Oil-Based Asphalt Inhibitors
- Water-Based Asphalt Inhibitors
- Solvent-Based Asphalt Inhibitors

Scale Inhibitor

- Oil-Soluble Scale Inhibitors
- Water-Soluble Scale Inhibitors
- Thermodynamic Scale Inhibitors
- Kinetic Scale Inhibitors



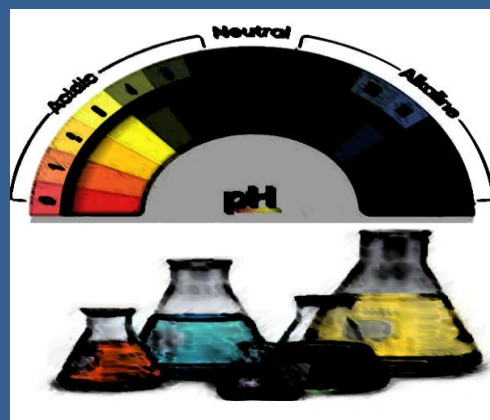
Production Chemicals



Refinery Chemicals

pH Control

- Acid-Based pH Control Chemicals
- Alkali-Based pH Control Chemicals



Fuel Additives

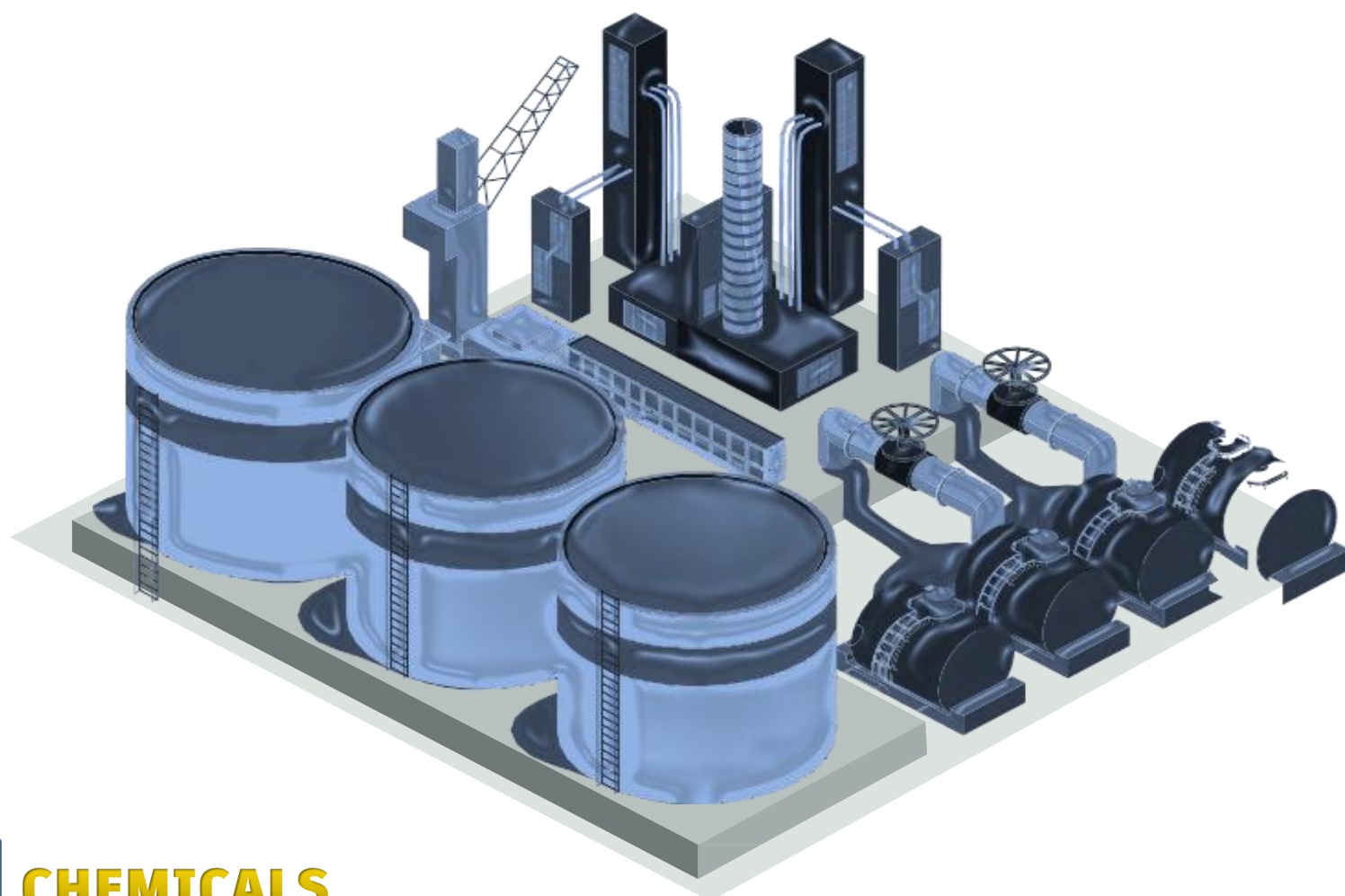
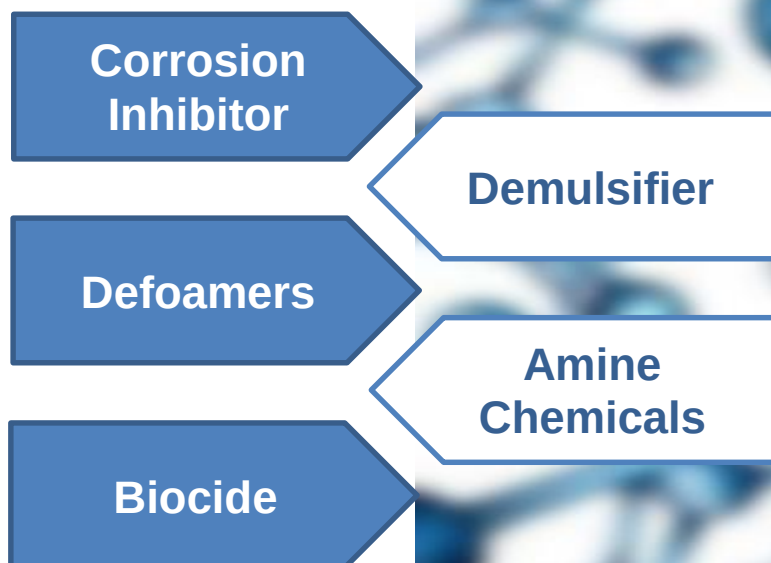
- Octane Boosters
- Cetane Improvers
- Antioxidants
- Detergents / Dispersants
- Metal Deactivators

Degreasers

- Solvent-Based Degreasers
- Water-Based Degreasers



Refinery Chemicals



Industry Chemicals

c

Methanol

Ethanol

Distilled
Water

Acetone

Toluene

Xylene

Sulfuric
Acid

Hydrochloric
Acid

Sodium
Hydroxide

Potassium
Hydroxide

Sodium
Chloride

Calcium
Chloride

Sodium
Bicarbonate

Hydrogen
Peroxide

MEA / DEA
MDEA / DIPA

Laboratory Reagents & Instrumentations

Laboratory Reagents

- Solvents (Toluene, Xylene, Methanol, Ethanol, Acetone, Hexane ...etc.)
- Buffer Solutions
- Acids / Alkalis (HCl, H₂SO₄, NaOH...etc.)



Instrumentation & Devices

- Crude Oil Analyzers (H₂S Analyzer, RVP, Salt, S.G., BS&W...etc.)
- Refinery Analyzers (Flash Point, Pour/Cloud Point, Viscosity, Total Sulfur Analyzer...etc.)
- Produced Water Analyzers (Oil-in-Water, pH, Dissolved O₂, Conductivity, Salinity...etc.)



Laboratory Glasswares

- Volumetric & Containment Glasswares
- Heating & Filtration Glasswares



Chemical Management

Laboratory Analysis

- Comprehensive Crude Composition
- Produced Water Characteristics & Properties
- Software & Laboratory Assessments
- Field Data Evaluation and Interpretation



Chemical Formulation

- Custom Blend Preparation
- Dose Optimization & Bottle Test
- Performance Enhancement

Field Trials & Monitoring

- Solvent- On-site chemical testing
- Trial performance tracking
- Injection system check
- Data logging & reporting



Injection Skids & Chemical Storage

Injection Skids

- Single & Multi Chemical Injection Skids
- Automated/PLC-Controlled Injection Skids
- Portable/Mobile Injection Skids
- Low & High-Pressure Injection Skids



Chemical Transfer Pumps

- Diaphragm Pumps
- Electric Drum Pumps
- Plunger Pumps

Chemical Storage

- Bulk Chemical Storage Tanks
- Portable Chemical Storage Units
- Double-Walled Storage Tanks



Advanced Laboratory Analysis

Crude Oil

- Composition & Quality
- Physical Properties
- Volatility & Stability
- Impurities & Contaminants



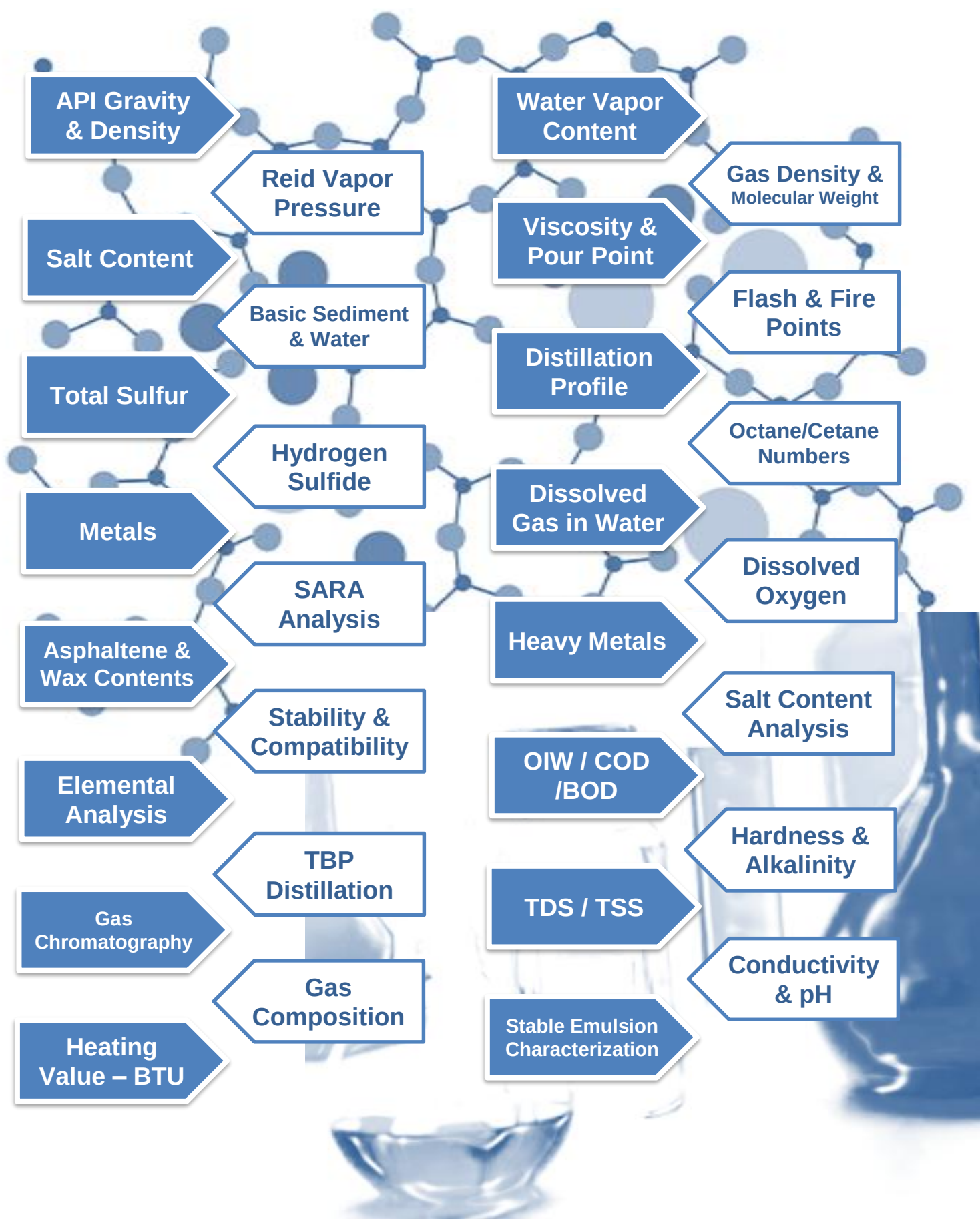
Produced Water

- Physical Characteristics
- Chemical Composition
- Scaling & Corrosion Potential
- Toxicity & Environmental Parameters

Produced Gas

- Composition Analysis
- Acid Gas Content
- Moisture & Dew Point
- Heating Value & Energy Content







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& Engineering**

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CHEMICALS