BIMAKS®

"Sustainable Saving Solutions"

OIL & DRILLING PRODUCTS

INNOVATIVE AND EXPERT SOLUTIONS
IN WATER TREATMENT





ABOUT US

BIMAKS is a leading company in providing high performance chemicals, process aids and test dosage equipment for the water treatment industry.

We aim to provide our customers the most updated products, reliable technical service and efficient logistical support through our technical research and business development activities.

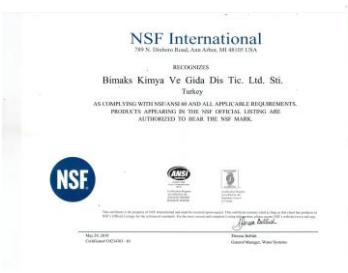
Embodying production and marketing functions in its structure. BIMAKS is found by an expert in the business with his innovative development know-how and environment sensitive recipes, has created itself a name as a customer-oriented service company.

Teamwork concept, knowledge sharing and openness to development are main pillars of BIMAKS business concept. It is our objective to provide our customers the most logical and sustainable solutions in their effects to provide the best quality water for the industry.

BIMAKS KIMYA













REFINERIES AND PETROCHEMICALS

Petrochemicals are simply chemicals that happen to be derived from a starting material obtained from petroleum. A modern oil refinery can process several hundred thousand barrels of crude oil a day and must operate continuously for months and years at a time. This is made possible by utilizing leading automation and electrical systems that operate thousands of separate plant items to perfect a chemical process; separating the hydrocarbon molecules into fuels, lubricants or the feedstock for further petrochemical techniques.

Petrochemical production plants suffer from repeated operational disruption. Typical process-related problems are fouling, corrosion and foam problems. The consequences are high operating costs and occupational safety concerns. Our dedicated innovative treatment programs help to maximize performance, secure a failure-free operation of your plants and decisively contribute to a considerable reduction of the total operating costs.

Bimaks can be relied upon to recommend the ideal processes, technologies and products for our clients to address their circumstances and meet their specific requirements.

CORROSION INHIBITORS

BIMAKS KIMYA produces different kinds of corrosion inhibitors. Corrosion inhibitors reduces overhead maintenance cost. Some of them are highly effective across a broad spectrum of oilfield brines. Excellent corrosion inhibitor increasing system and equipment lifetime and acts by forming a protective film on metal surfaces. Some of them holds corrosion inhibition properties at high temperatures and in low pH systems. Corrosion inhibitors increases system and equipment lifetime.



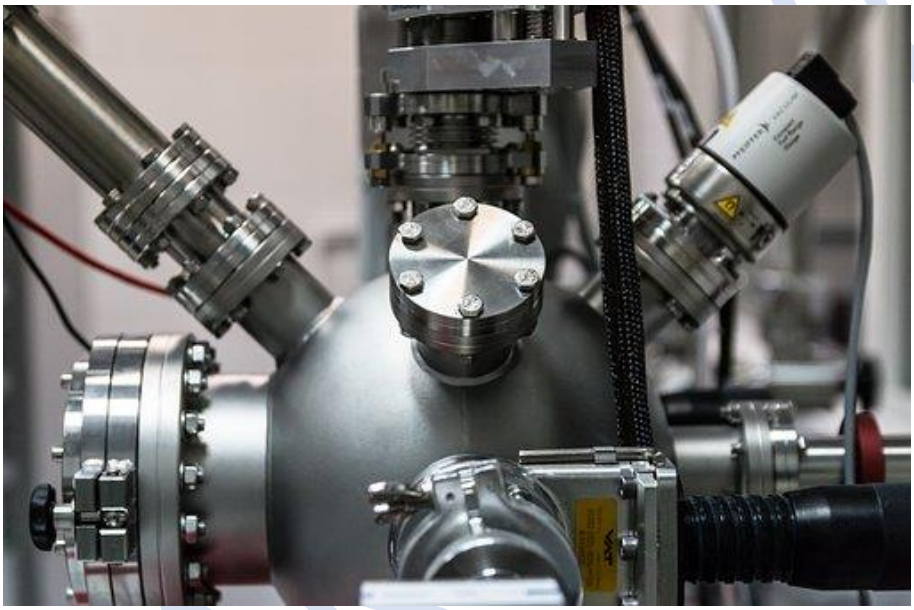
There are many types of Corrosion Inhibitors which can be described as the following:

General Corrosion Inhibitors:

It is an aqueous solution of carbonic acids. film forming amines and nonferrous metal deactivators. Controls corrosion due to Hydrochloric acid, Hydrofluoric acid, Sulfuric acid and Sulfamic acid, Acetic acid, Citric acid, Formic acid, Sodium Bisulfate, Oxalic acid, Hydroxy Acetic-Formic acid, Phosphoric, Tartaric acid, EDTA, Ammoniated EDTA and/or Ammoniated Citric. Some of them formulated to give good film persistency in fresh water, sea water and heavy brine systems. Suitable for water injection systems, water source wells, medium to high water cut oil production wells, oil flow lines, treating equipment such as separators and dehydrators, water disposal lines.

Oil Soluble Corrosion Inhibitor:

It is a blend of film forming amines, polymeric fatty acids and surfactants designed to produce a highly protective film. Used for the protection of gas wells, producing wells and pipelines. Suitable for gas wells and gathering systems, producing oil wells (low to medium water cut), crude oil pipelines. Effective in the presence of both carbon dioxide (CO2) and hydrogen sulphide (H2S). The surfactant properties help to reduce fouling and promote rapid film build up. Excellent corrosion inhibitor increasing system and equipment lifetime and acts by forming a protective film on metal surfaces.



Multifunctional Corrosion Inhibitor:

It is a combination of corrosion inhibitors, organic amine compounds and Oxygen scavengers formulated in an aqueous solution. Have a broad spectrum, non-oxidizing microorganism control agent & corrosion inhibitor for firefighting systems and pipelines. Designed to reduce the corrosion by forming an organic film on the metal surface. Provide excellent control of macro & microbiological growth and associated deposits.

Reduce effectively the corrosion by the film forming property. Effective against a broad spectrum of macro & microorganisms over extended periods. Helps to minimize slime problems which can cause costly reductions (affective sludge remover due to its cleaning properties). Minimum discharge problems; active molecules are environmentally degradable. Easy application; active at low dosages. Do not contain or cause precipitation, and it does not act with other additives

Neutralizing Corrosion Inhibitor:

It is a blend of aliphatic amines in water solvent. Has aqueous formulation to prevent corrosion by neutralizing acidic gases such as HCl, H2S, organic acids in overhead condensation systems of oil refineries and petrochemicals. Act condensing together with water to neutralize the acid components. Act in a wide range of temperatures, minimizing pH fluctuation oppose when ammonia or single amine formulation is in use.



Crude Distillation Unit Corrosion Inhibitor:

control corrosion due to HCl, H2S, organic acids, CO2, HCN. Can be also used as overhead corrosion inhibitor in petrochemical plants or refineries. Holds corrosion inhibition properties at high temperatures and in low pH systems. Has no emulsification effect on treated streams. Provides corrosion protection on overhead, metal passivation and reduces overhead maintenance cost.

SCALE AND CORROSION INHIBITOR

BIMAKS KIMYA formulated scale and corrosion inhibitor to inhibit common scales (Calcium carbonate/Sulphate, Calcium Phosphate, Barium/Strontium Sulphate, Silica, Iron/Manganese). Extends equipment life and reduces maintenance costs. Highly effective Antiscalant across a broad spectrum of waters. Reduces or replaces the need for acid addition. Minimize mineral scale deposits in export line valves on platform wells without the necessity of high-cost well interventions. Excellent corrosion inhibitor increasing system and equipment lifetime and acts by forming a protective film on metal surfaces of carbon steel, admiralty or other copper alloys to prevent pitting and general attacks.



REVERSE EMULSION BREAKER

Reverse emulsion breaker is designed for application primarily in frac flowback water recycling facilities due to its compatibility with frac fluids. Effective for a variety of liquid/solids or reverse emulsion breaking processes. Designed to allow complete oil separation where flowback water containing oil carryover must be removed to meet effluent or reuse quality standards. It Has some application in raw water clarification and as a sludge conditioner.

H2S SCAVENGER

H2S Scavenger is a new generation multifunctional drilling fluid & system protection product with high performance H2S scavenger, non-oxidizing biocide and corrosion inhibitor. H2S scavenger is used for preservation of drilling fluids & system pipeline, preservation of completion and preservation of work over and packer fluids, preservation of injection and produced water, preservation of gas storage facilities, preservation of diesel fuel, microorganism influenced corrosion prevention of pipelines. Does not cause precipitation & does not react with other drilling fluid additives. Has high efficacy and stability at high temperature. Completely soluble in water as well as in oil. Effective against broad spectrum of microorganism (Especially effective against Sulphate Reducing Bacteria).



MICROORGANISM CONTROL AGENT

Microorganism Control Agent is an aldehyde-based microbicide. It does not contain heavy metals or sulfur compounds.

Effective against a broad spectrum of aerobic, anaerobic microorganisms, fungi, algae and/or Legionella. Provides excellent control of microbiological growth and removes slime associated deposits. Performs a stability over a wide pH range. Liquid product, easy to handle, completely water soluble and not flammable. Does not contain heavy metals or chlorophenols.

IRON STABILIZER

Iron stabilizer is a liquid iron sequestrant used in acidizing and other iron stabilizing operations. Should be used when acidizing formations which contain iron minerals or when iron scale is present in pipe or tubing. In many areas, most wells will have significant amounts of iron scale and corrosion products inside the well tubing; for this reason, iron stabilizers should be used in most acid treatments. Iron stabilizer is compatible with virtually all inhibitors.



SILICONE ANTIFOAM EMULSION

Silicone antifoam emulsion is an APEO free silicone-based antifoam emulsion recommended for many types of applications. Disperses readily in aqueous systems and can be added before or after foaming has started, depending on the characteristics of the system, i.e. temperature, degree of agitation, composition. Can be used to suppress foam in oil processing and drilling operations. Acts as foam prevention and defoamer to increases entrapped air release. Very effective antifoam also when used in alkaline environments. Contains silicones.

NEUTRALIZER

Neutralizer is a water-soluble neutralizing amine formulated particularly for crude oil distillation units. Neutralizer is an aqueous formulation to prevent corrosion by neutralizing acidic gases such as HCl, H2S, organic acids in overhead condensation systems of oil refineries and petrochemicals. Act condensing together with water to neutralize the acid components in a wide range of temperatures, minimizing pH fluctuation oppose when ammonia or single amine formulation is in use.

BIMAKS



ENVIRONMENT FRIENDLY

At Bimaks, one of our main objectives is to realize environmentally friendly ideas.
We are fully aware of the critical importance of the environment for a healthy generation, clean world, promising future.
Through our modern and economical chemical solutions, we help you to create saving on water resources and your expenditures.
We believe that tomorrow’s nature is created today.



BIMAKS®

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