Process Treatment

Complete and innovative treatment concepts for the oil and gas industry

Kurita is your competent partner for complete solutions – our sales and technical service representatives provide you locally with reliable tailor-made solutions for your oil refining and petrochemical production plants.

We take the continuous improvement of your plant availability to heart. Our aim is to support you achieving your business objectives to maximise the profitability, focusing on environmental respect and sustainability. For good reasons Kurita is already for more than ten years one of only 30 enterprises which are listed in the "NAI" (Nature-Stock-Index).

OUR COMPREHENSIVE SERVICE INCLUDES:

- System survey and system analysis
- Development of customised treatment concepts
- Analytics (on-site and in own laboratories)
- Monitoring software tools for corrosion and fouling control
- Deposit analysis
- Training of your staff
- Logistics (transport & stock management)

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The information presented herein corresponds to our interpretation of certain test results and field experience to date. This information is not to be taken as warranty or representation for which we assume legal responsibility. It is offered solely for your consideration, investigation and verification. (201701)

KURITA



Process treatment

Comprehensive and innovative concepts for the oil and gas industry

KURITA



For a complete treatment of your production plants





With more than 60 years experience Kurita specialises in optimising reliability and efficiency of industrial plants. Our customised technologies and patented products for industrial water and process treatment improve plant life-time and reduce costly downtimes.

BENEFITS

With our technologies we help you:

- REDUCING OPERATION COSTS
- INCREASING PLANT PRODUCTIVITY
- MAXIMISING PLANT LIFECYCLE
- OPTIMISING PLANT AND OCCUPATIONAL SAFETY

Our dedicated treatment programmes help to secure a failure-free operation of your plants and decisively contribute to a considerable reduction of the total operating costs.

EMULSION BREAKERS

Innovative emulsion breaker programmes provide the efficient oil water separation of slops, crude oils and process streams.

ANTIFOULANTS

Kurita´s antifoulants prevent fouling, reduce the frequency of cleaning and thus, increase plant performance and lifetime. A full range of antifoulants is available with specific programmes against precipitation of various salts, coke, asphaltenes and polymers.

CORROSION CONTROL

Our patented ACF technology, neutralising amines for pH control and film-forming amines will provide a complete corrosion protection of the treated process equipment.

Technologies, Features and Applications

EMULSION BREAKERS	• Innovative emulsion breaker programmes for slops, crude oils, condensates and process streams, suffering from stable emulsions
PATENTED ACF TECHNOLOGY	• Unique control programmes for process units suffering from severe fouling or corrosion caused by chlorides or ammonium salts • Removal of chlorides and ammonium salt deposits during operation • Combination with film-forming amines is possible
FOULING INHIBITORS	• Tailored treatment concepts avoid fouling from undesired oxidation, polymerisation, sedimentation and condensation processes • Complete range of programmes consisting of dispersants, stabilisers, antioxidants and metal deactivators
CORROSION INHIBITORS	• Neutralising amine blends for pH control • Film-forming amines, adsorbed on metal surfaces provide a protective layer
SCAVENGERS	• Oxygen scavengers provide corrosion protection and fouling control • H_2S scavengers enhance the product quality of diesel and ensure the improvement of environmental conditions
CLEANING & DECONTAMINATION	• Cleaning and decontamination of process equipment ensures safe entry and inspection • Significant reduction of shutdown times • Removal of viscous materials such as grease, tallow, fatty oils, hydrocarbon accumulation etc. • Elimination and removal of hazardous materials such as volatile hydrocarbons, benzene, pyrophoric iron species, H_2S etc. • Additional circulation pumps, gas washing units, flexible hoses and mobile storage tanks are available
FUEL ADDITIVES	• Biocides for diesel fuels, heating oils and technical products, which provide excellent anti-corrosion properties • Eliminate and prevent the growth of bacteria and fungi
DEFOAMERS	• Kurita´s highly efficient defoamers destroy the foam formation immediately and prevent a new formation of foam