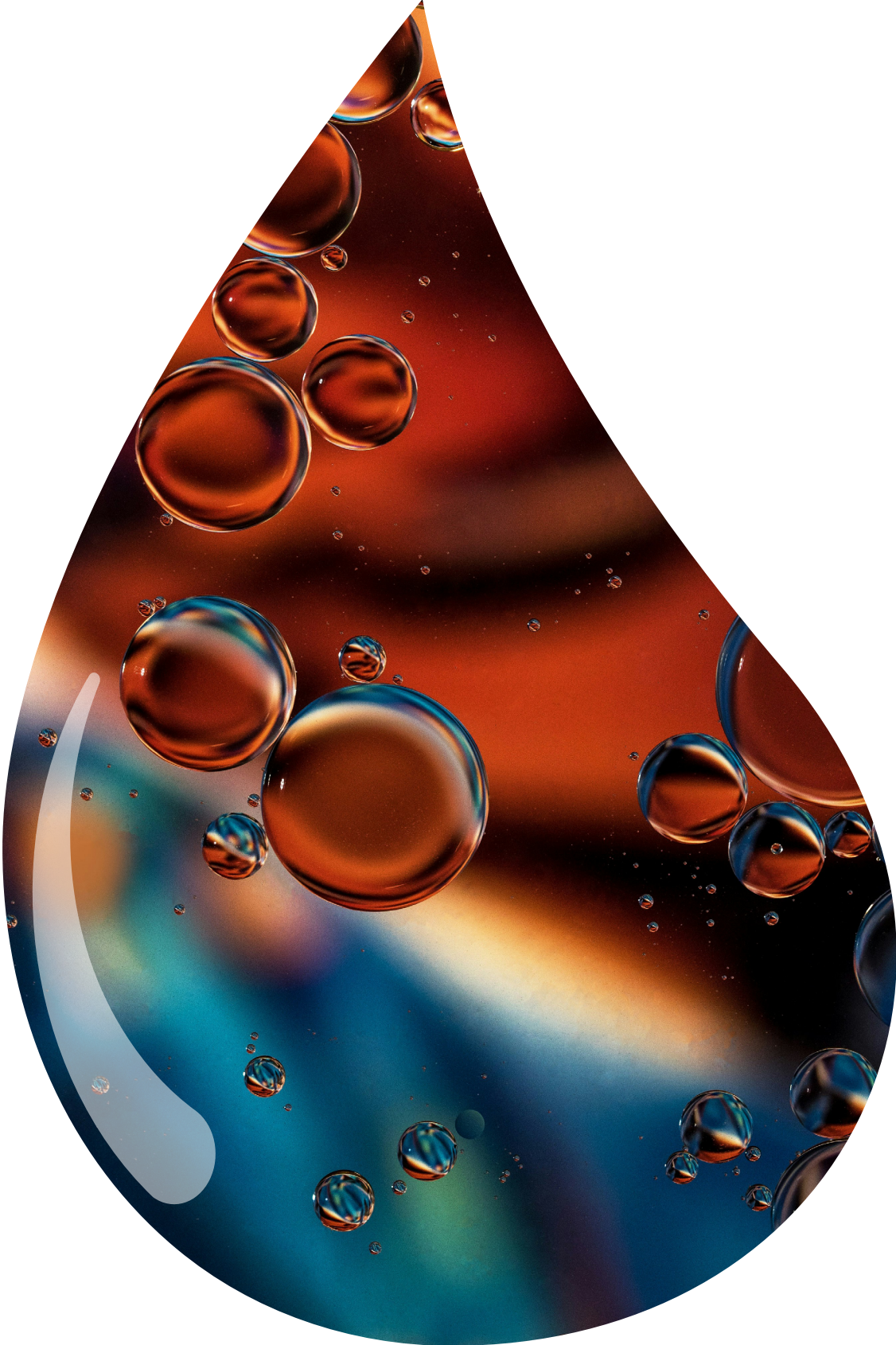


PERFORMANCE CHEMICALS

Advanced Water Solutions

KLORIMAX™



Klorimax – Advanced Water Solutions

Protecting the World's Most Precious Resource

Hermes Minerals & Chemicals (HMC), through its Klorimax division for Advanced Water Solutions, offers a range of specialty water treatment additives and solutions. These include biocides, corrosion inhibitors, and scale inhibitors designed to enhance system efficiency and reliability.

The division is known for delivering innovative products supported by global technical expertise and in-house blending facilities. With strong technical support, we develop customized solutions tailored to specific operational needs. Our services are backed by dedicated customer support and a robust network of R&D centers across India, South Asia, and the Gulf region.

At Klorimax, we recognize water as one of the planet's most valuable resources. Our solutions are designed to optimize water usage, promote responsible resource management, and reduce overall operational costs. We are committed to continuous research and innovation, enabling the development of advanced, sustainable, and biodegradable products derived from natural raw materials.

Industrial Water & Process Treatment

We deliver comprehensive technical expertise, manufacturing capabilities, and a specialized chemical portfolio to ensure that industrial water treatment operations remain safe, efficient, and cost-effective.

Our solutions support a wide range of applications, including:

- Open and closed cooling systems
- Boiler systems
- Membrane separation systems (RO/NF)
- Wastewater treatment
- Pulp and paper processing
- Textile processing
- Sugar, agriculture, food, and beverage industries
- Electronics and high-purity applications

We offer a high-performance range of products and formulated solutions such as our proprietary catalysts, scale inhibitors, corrosion inhibitors, biocides, bleach stabilizers, conditioning agents, coagulants, and flocculants — all backed by experienced technical teams operating across multiple regions.

Innovative Water Solutions from Klorimax (HMC)

Filtration & Reverse Osmosis Chemicals

Klorimax, a division of Hermes Minerals & Chemicals (HMC), offers a comprehensive range of high-performance chemicals for membrane and thermal water treatment systems, including RO, NF, UF, MEE, MED, and MSF applications. Our solutions are supported by expertise aligned with leading global water treatment practices. Our portfolio includes advanced antiscalants, membrane cleaners, and defoamers that ensure efficient and reliable performance across a wide range of water and wastewater conditions.

Key features and benefits:

- Complete range of antiscalants, cleaners, and defoamers for membrane and thermal systems.
- Highly effective control of fouling and scaling at low dosages during both operation and preservation.
- Reduces and, in many cases, eliminates the need for acid dosing.
- Enhances system performance by increasing output, reducing offline cleaning, and minimizing unplanned downtime.
- Compatible with all major membrane brands, including Toray, DuPont (DOW), LG, and Hydranautics; selected products are NSF certified.
- Certified formulations compliant with ANSI/NSF 60 standards.
- Advanced scale prediction tools for accurate antiscalant dosing and performance optimization.
- High-quality membrane cleaners that effectively remove foulants and scale while maintaining membrane integrity.
- Strong technical support backed by advanced laboratory capabilities.
- More than decades of expertise in filtration and membrane treatment chemicals.

Saturation Limit of RO Antiscalants

| Foulants | Index | Klorimax-AWS Antiscalants saturation limit |
|-------------------|------------------------|--|
| Calcium Carbonate | L.S.I.* | +2.85 |
| Calcium Sulfate | IP_b/K_{sp}^{\wedge} | 5.5 |
| Barium Sulfate | IP_b/K_{sp}^{\wedge} | 150 |
| Calcium Fluoride | IP_b/K_{sp}^{\wedge} | 120 |
| Calcium phosphate | IP_b/K_{sp}^{\wedge} | 4.5 |
| Silica | S.C.R.# | 2.5(415 ppm) |

*Langellar saturation Index \wedge Ion product in brine/solubility product of salt #SCR=Silica concentration ratio at 165 ppm SiO₂, 7.5 pH, 25 C

Our Product solution

KFS288

Multifunctional corrosion & scale inhibitor

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KSD-597

Multifunctional corrosion & scale inhibitor

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KAS-810 BD

Biodegradable antiscalant for severe, high LSI cooling water systems

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KHOS 6

Antiscalling Chemical based on PBTC

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KHOS 9

Antiscalling Chemical based on PBTC

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

K-LUMENE 3101

Enhanced tagged-polymer solution designed to provide scale inhibition and dispersion for CaCO₃ & CaSO₄

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

K-LUMENE 3102

Enhanced tagged-polymer solution designed to provide scale inhibition and dispersion for Ca₃(PO₄)₂, Iron Oxide and Silica

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KAS-SPE 1936

Multifunctional antiscalant for RO,NF, EDR

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

SPE SERIES

Multifunctional antiscalant for RO,NF, EDR

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

K-CPS1101, 1102

Multi-Purpose Cooling Water Treatment Blend , Single Product Treatment

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KAS- H21

Proprietary Halite Inhibitor for water reduction

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KBWT-230

Liquid caustic soda blend with surfactant

Category: Alkalinity Builder

Markets: Industrial Water Treatment & Process

KBWT HS SERIES

Proprietary Non-triazine H2S Scavenger.

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KBWT OS 2012

Oxygen Scavengers

Category: Oxygen Scavenger

Markets: Industrial Water Treatment & Process

KBWT OS 3012T

Oxygen Scavengers Tanin Blend

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KBWT OS 4012V

Oxygen Scavengers volatile

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KAS-S80

Silica, Sulfate, and Carbonate Antiscalant

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KLORR 350-MA1

RO antiscalant for Calcium carbonate, calcium Sulphate, silica and metal oxides scale inhibition.

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KLORR 350-MA2

RO antiscalant for Calcium carbonate, calcium Sulphate, Moderate silica and moderate metal oxides scale inhibition.

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KLORR 750Si MA-01

Multifunctional RO antiscalant for Calcium carbonate, Calcium Sulphate metal oxides high silica (saturation limit 2.5 (~412 ppm) SCR Index) and high Calcium Phosphate scale inhibition.

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KLORR MFC SERIES

Range of RO membrane cleaning chemical for fouling

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KLORR MES SERIES

Range of antiscalant for multi effect evaporators

Category: Corrosion Inhibitors, Scale Inhibitors

Markets: Industrial Water Treatment & Process

KBWT 5015D

Dispersant blend for boiler

Category: Dispersants

Markets: Industrial Water Treatment & Process

KLORR DISPERSE SERIES

High performance dispersant for deposit control and removal

Category: Dispersants, Other Products

Markets: Industrial Water Treatment & Process

KBC 2125

Dualquat blend for broad spectrum of bacteriological control

Category: Non-oxidizing biocide

Markets: Industrial Water Treatment & Process

KBC 1010

Superior broad spectrum of bacteriological control

Category: Non-oxidizing biocide

Markets: Industrial Water Treatment & Process

KLORR 1210

Excellent bacteriological control

Category: Non-oxidizing biocide

Markets: Industrial Water Treatment & Process

KBD XI20

Disperse and remove biofilms and organic deposits

Category: Biodispersant

Markets: Industrial Water Treatment & Process

KBD XL40

Disperse and remove biofilms and organic deposits with corrosion inhibitor

Category: Corrosion Inhibitors, Biodispersant

Markets: Industrial Water Treatment & Process

KFL 2050

Liquid polyamine blend

Category: Waste Water Polymers

Markets: Industrial Water Treatment & Process

KFL 4750

Cationic polymer used for clarification in water application

Category: Waste Water Polymers

Markets: Industrial Water Treatment & Process

Qualipol Series

Liquid polyamine solutions

Category: Waste Water Polymers

Markets: Industrial Water Treatment & Process

Qualifloc Series

Liquid polyacrylamide solutions

Category: Waste Water Polymers

Markets: Industrial Water Treatment & Process

KLOPAM CSP

Polymer cleaning agents in liquid form

Category: Waste Water Polymers

Markets: Industrial Water Treatment & Process

KLORR ODO-N Series

Odor control agents

Category: Odor controlling polymers

Markets: Industrial Water Treatment & Process

KL-FOAM SERIES

Liquid foam control solutions for antifoaming, defoaming

Category: Foam Control

Markets: Industrial Water Treatment & Process

More information

If you would like to obtain more detailed information about our products or are interested in obtaining a sample for evaluation in your system, please contact your nearest representative or mail us at following



Learn more Contact your local KLORIMAX™ representative

technical@hmcadvancedsolutions.com

The information in this bulletin is to the best of our knowledge true and accurate but all instructions, recommendations or suggestions are made without guarantee. Since the conditions of use are beyond their control, Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim

EB-WSC-IN-H(03/26)

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