



ULTIMER™ Polymer Technology

Helping contribute to sustainable
wastewater management

NALCO Water
An Ecolab Company



The value proposition of ULTIMER™

Sustainability-minded customers are transcending the norm and taking circularity to the next level. Unleash the power of ULTIMER Polymer Technology designed for reliable operational wastewater plant performance, even in highly varying and oily wastewater applications to help generate value from the enabled water reuse and recycle.



CLIMATE To avoid the most dangerous and irreversible impacts of climate change, we need to limit global warming to 1.5 °C, compared to pre-industrial levels.



WATER At the current rate, demand for freshwater will outstrip supply by 56% by 2030.







REGULATION The regulatory landscape and corporate requirements are tightening – e.g. the EU Green Deal and the proposed U.S. SEC climate disclosure rule.

The time to act is now, and the choices we make will have a lasting impact on our shared future.

The good news: There are solutions to enable sustainability-minded customers to meet their business and sustainability goals – without tradeoffs.

One of these is **ULTIMER Polymer Technology from Nalco Water**. It's designed to deliver reliable operational wastewater plant performance even in highly varying and oily wastewater applications, enabling you to reuse and recycle wastewater in your operations.

ULTIMER IS THE IDEAL CHOICE FOR

-  Enhanced sustainability
-  Promoting water circularity
-  Enhanced operational reliability
-  Ease of use



In a Range of Industries

| | |
|--------------------|-------------------------|
| Food, Oils & Fats | Wine, Beer & Distillery |
| Dairy | Chemical |
| Meat Processing | Mining & Metals |
| Glass, Ink & Paint | Automotive |
| Oil & Gas | Textiles & Tannings |

The Benefits of ULTIMER™ Technology

Here's how ULTIMER can help you achieve sustainable wastewater management:

- It does not use hydrocarbon solvents and surfactants (unlike emulsion flocculants).
- It helps contribute to reduced water usage. ULTIMER's water-based composition allows for utilization of lower make-down water quality (e.g. process water, saline water) without jeopardizing polymer activity and performance. It also helps minimize reuse technology performance problems.
- It enhances operational reliability by employing a wide and novel range of chemistries that respond to highly variable wastewater qualities, including oily wastewater. ULTIMER promotes consistent water quality that meets effluent limits and restrictions.
- It is easy to use. It optimizes equipment and labor because it does not require specific polymer make-down equipment or long activation times.

You don't have to take our word for it

Customers in a wide range of industries have used ULTIMER Polymer Technology to enhance the efficiency and sustainability of their operations.



ENVIRONMENTAL RESPONSIBILITY

1,280,000 m³ per year
water production

Reduction of 286,000 m³
drinking water



ENVIRONMENTAL RESPONSIBILITY

74% increased nickel removal
ensuring effluent discharge
limit of 0,075 g Ni/m³



GREENHOUSE GASES

Oil and grease removal: 90% up
from 59% 15kg/h less O₂ (4,3 kW)
16,9 metric tons CO₂e reduction
(€7,500/year)

Because of factors outside of Ecolab's control, such as water conditions, plant equipment conditions and other factors, results to be obtained including but not limited to water and energy savings cannot be predicted or guaranteed by Ecolab.

FINDING SOLUTIONS TO THE WORLD'S BIGGEST CHALLENGES



CLEAN WATER



SAFE FOOD



ABUNDANT ENERGY



HEALTHY ENVIRONMENTS



GOOD FOR WATER, GOOD FOR BUSINESS

From the time water enters a facility until the moment it is returned back into the environment, it's a critical component of your business. Nalco Water uses expertise, innovation and digital technology to help manage your water — minimizing water, maximizing performance and optimizing costs. Together, we measure success one drop at a time.

170+
COUNTRIES

10,500+
PATENTS

1,600+
Global RD&E Associates:
CHEMISTS, ENGINEERS
& SCIENTISTS

24/7/365
ECOLAB GLOBAL
INTELLIGENCE CENTER
SUPPORT

16
GLOBAL TECHNICAL
AND INNOVATION
CENTERS

GLOBAL FIELD SUPPORT
25,000+
Sales and Service
Associates

ULTIMER™ Polymer Technology and Nalco Water can transform your approach to water management. Want to learn more? Visit ecolab.com/nalco-water.

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