



## Drinking Water Treatment

For a better protection of our vital resource

- Innovative solutions for the safety of our water
- Our products help to avoid corrosion in drinking water lines and stabilise the hardness in the water
- For more than 50 years we are developing technologies for the treatment of drinking water
- Our own R&D and technical departments are able to provide specific solutions and process improvements
- We are cooperating with many institutes to demonstrate the success of our treatments

## For a better protection of our vital resource

Drinking water is our most important food. The quality demand of our potable water is high. Kurita offers technologies and solutions for the central use in waterworks through the supply network to the domestic installations (e.g. in households, hospitals and other facilities) - ranging from the purification of water to the corrosion inhibition.

### Flocculation

#### ■ **Gilufloc®**, **Kuriflock®**, **AL-salts**

The first step of drinking water treatment frequently is the flocculation, which removes particles (turbidities) and dissolved substances from the water.

In this treatment step, our proven flocculants Gilufloc®, Kuriflock® and Aluminium-based salts have been applied successfully for decades.

Additionally, our product portfolio includes highly effective anionic and non-ionic flocculating agents.

The products are also applied in waste recycling processes, e.g. for sedimentation at sand filter backwashing or sludge dewatering.

### Corrosion inhibition

#### ■ **Metaqua®**

Drinking water comes in contact with various materials.

For the prevention of:

- Corrosion
- Heavy metal uptake
- Scaling

Kurita offers individual treatment concepts and technologies in compliance with the drinking water regulations.

Our broad portfolio includes liquid and powder products:

- Combination products consisting of phosphates and carbonate activated silicates
- Phosphate-free combination products consisting of carbonate activated silicates
- Phosphates with high purity

#### ■ **Siliphos®**

Technology which is applied without a dosing pump.

#### ■ **Thermally Activated Silicates**

Specially developed for improved corrosion inhibition in drinking water networks.

### Antiscalants and cleaners for membrane filtration units

#### ■ **Osmotech®**

More and more frequently filtration systems are applied in waterworks, e.g.:

- Ultra-filtration for the elimination of solids or toxic substances and microbiology
- Nano-filtration for the softening and the elimination of organic impurities

The effective antiscalants from our technology line Osmotech® help reduce scaling and fouling tendencies in the membrane systems.

For the membrane cleaning Kurita developed specific cleaners.

In seawater desalination plants our products are successfully applied for many years.

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