

## Technical Data Sheet

### KRONES hydrocare 300

Scale inhibitor

#### Product description and application

Liquid, clear, dark yellow

KRONES hydrocare 300 is specially designed to inhibit scale formation in RO-systems with polyamide, cellulose acetate and polyether membranes with negative charged surface. KRONES hydrocare 300 is a stabilized blend of organic phosphonates and polymers with a high dispersing effect. It is the most effective inhibitor against calcium sulphate and calcium carbonate deposit on the membrane surface. Also barium and strontium sulphate are stabilized excellently. KRONES hydrocare 300 is designed and approved as a highly efficient scale inhibitor for use with cellulose acetate and polyamide membranes. There is no interaction with the membrane material. The dosage is controlled proportionally to the feed water flow. Standard metering pumps are used. Fitting materials are PE, PP or coated steel. It is recommended to inject KRONES hydrocare 300 undiluted. The required dosage level depends on the operating conditions and water composition and varies in the range of 1 to 10 ppm as delivered. KRONES hydrocare 300 is easy to be handled and does not contain any aggressive component. The pH value of the product is slightly acidic. For industrial use only.

#### Technical product data

pH value	4.8 – 5.3
Density	1.14 – 1.16 g/cm <sup>3</sup>
Freezing point	-10°C
Boiling range	100 – 105°C
Viscosity	50 mPas

#### Storage and shelf life

The product should be stored sealed in the original container in a cool, well ventilated place. Storage temperature: +2 °C - +30 °C. Minimum shelf life: 2 years.

#### Material safety data sheets

The current material safety data sheets are available for you to download from our website:

[www.kic-krones.com/en/downloads.php](http://www.kic-krones.com/en/downloads.php)

You are also welcome to request them by e-mail to [kic@kic-krones.com](mailto:kic@kic-krones.com).

## Labelling

Please refer to the corresponding material safety data sheet for details on:

- Hazardous goods labelling (section 2)
- Transport regulations (section 14)
- Safety regulations (section 4-8)

## Application notes

Due to possible incompatibilities with other products, it is recommended to rinse dosing equipment (pumps, pipes) thoroughly with water prior to a change-over to KRONES hydrocare 300.

## Operating conditions

Concentration	1 – 10ppm (mg/l)
Dosing	Proportional to the water flow
Temperature	given

## Concentration check

Via water consumption

## Material compatibility

Compatible with all common materials in food industry like: Stainless steel, glass, PET, PE, PP, PVC, PVDF, PTFE, Viton, EPDM. At the same time, however, the possibility of material incompatibilities cannot be completely ruled out. We recommend to carry out appropriate tests in case of uncertainty.

## Disposal note

Recycling of packaging only fully emptied and closed. Any product residues must be disposed of in accordance with local regulations. For further information, please refer to our material safety data sheet (section 13).

## Further information

See EC safety data sheet

## Exclusion of liability

To the best of our knowledge, the information reflects today's know-how and experience of the Krones Group and does not include any guarantee of features, nor does it guarantee the suitability of the product for specific purposes. Legal liability cannot be deduced from information provided or from oral consultation. This product information is not subject to the updating service. It is mandatory to carry out a test run and an inspection of the features before the products are used.

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