

# ODACON®

## Protection of steam boilers and turbines against scaling and corrosion.

### Product specification

The ODAICON® products are aqueous, lipophilic emulsions of alkyl amines with a chain length of  $> C_{15}$ . The surface-active substance ODA, which is contained in the emulsions has a pH-value increasing, dispersing and surface tension lowering effect.

### Effectiveness

The additive ODAICON® has an intensifying effect on nucleate boiling and improves the droplet condensation. Thereby erosion in steam lines, on turbine blades and in condensers will be reduced to a minimum.

Irrespective of the properties and the quality of the medium a mono- or bimolecular protective layer is formed on the metal surfaces. This layer is resistant to the usual substances present in water- and steam circuits. Thereby corrosion is inhibited. Existing deposits are gradually and carefully removed. Corrosion supporting agents, e.g. salts, are displaced from surfaces and crevices.

Because of the steam volatility of the active agent the whole water and steam cycle is protected, including all steam contacting surfaces like autoclaves or heat exchangers and the condensate system.

### Physical parameters (at 20°C)

colour:	white to lutescent
density:	1,0 g/cm <sup>3</sup>
pH-value:	8-10
viscosity:	5-10 mPa s (thixotrop)

### Material compatibility

ODACON® is not harmful with the materials commonly used in water steam cycles. Sealing materials as well as elastomeric membranes are not impaired.

### Handling

ODACON is injected undiluted in the system by using standard dosing pumps. The necessary dosing amount and the dosing pump setting depend on the steam capacity of the boiler and will be configured together with REICON service staff.

To ensure a safe and reliable boiler operation an ODAICON concentration about 0.3 – 1.0 ppm is recommended in feed water. The concentration can be determined with the ODAICON test set, provided by REICON.

### Transport and storage

ODACON® is delivered in standard package sizes from 20 l can up to 1000 liter IBC.

Storage should be dry, frost-free and do not expose to direct sunlight. The least durability amounts a year from delivery date.

### Environmental compatibility:

Due to low concentration levels in the applications the products are environmentally friendly, biodegradable and suffice to the modern ecological and economical demands.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.