

# ODACON<sup>®</sup> ES-NL

## Corrosion inhibitor for cooling cycles with low conductivity levels

### Product specification

ODACON<sup>®</sup> ES-NL is an aqueous emulsions of steam-volatile saturated alkyl amines. This surface-active substance acts pH-value increasing, dispersing and surface tension lowering in the phase boundaries.

Salts are not contained in the emulsions, so they don't increase the conductivity in the cooling cycle.

### Effectiveness

Irrespective of the properties and the quality of the medium a mono- or bimolecular protective layers is formed on the metal surfaces. This layer is resistant to the usual substances present in cooling cycles.

Thereby corrosion and deposits are inhibited and existing deposits are gradually and carefully removed. Corrosion supporting agents are displaced from surfaces and crevices.

If different materials are used in the cycle, the electro-chemical potential will be adapted and the corrosion sensitivity will be reduced.

### Specific physical values (at 20°C)

colour:	white / lutescent
density:	1,0 g/cm <sup>3</sup>
pH-value:	8-10

### Material compatibility

ODACON<sup>®</sup> ES-NL can be used with all materials which are commonly used in cooling cycles.

### Application

ODACON<sup>®</sup> ES-NL is injected undiluted in the system by using standard dosing pumps. The necessary dosing amount and the dosing pump setting will be configured together with REICON service staff.

In open cooling cycles a continuous injection depending on the evaporation losses is recommended.

In closed cooling cycles the injection is periodical done subject to the refill water and inhibitor concentration.

To ensure a safe and reliable operation an ODACON<sup>®</sup> ES-NL concentration about 0.3 – 1.0 ppm is recommended in the cooling water.

The concentration can be determined with the ODACON<sup>®</sup> test set, provided by REICON.

### Package and storage

ODACON<sup>®</sup> ES-NL is delivered in standard package sizes from 20 up to 1000 liter.

The storage should be dry, protected against direct sun light and frost free.

### Environmental sustainability

ODACON<sup>®</sup> ES-NL is environmental friendly, bio-degradable und not hazardous to human.

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.