

# ODACON<sup>®</sup> EM

## Corrosion inhibitor for engine cooling cycle

### Product specification

ODACON<sup>®</sup> EM is an aqueous, lipo-amine emulsions of alkylamines with a chain length of > C<sub>15</sub>. The surface-active substance ODA, which is contained in the emulsions has a pH-value increasing, dispersing and surface tension lowering.

### Effectiveness

The additive ODACON<sup>®</sup> adsorbs on the metallic surface and builds a hydrophobic protection layer. This layer is resistant against the ingredients in the water circuit. Corrosion furthering, harmful substances are displaced from the surface and the corrosion potential is moved to the passive range.

This leads to a minimisation of the general and local corrosion and protects valves, curves and pumps against erosion and cavitation.

Deposits are carefully removed and the re-depositing is prevented. As result the heat transfer is increased and the fuel consumption reduced.

### 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<sup>®</sup> is not harmful with the commonly used materials in cooling water cycles. Sealing materials as well as elastomeric membranes are not impaired.

### Handling

ODACON<sup>®</sup> EM is injected while the cooling circuit is running at a minimum temperature > 30°C in front of the circulation pump.

ODACON<sup>®</sup> EM is filled directly from can with dosing pump is mixed into the cooling water during filling.

For the first dosage we recommend per 100 liter cooling water volume 4 litre ODACON<sup>®</sup> EM.

To maintain the protective layer and to ensure long-term protection of components, a concentration of 0.5 - 1 ppm ODACON<sup>®</sup> in cooling water is recommended. This can be supplemented by regular follow-up applications on base of the dosing regulation and depending on the quantity of coolant required to top up the system.

### Transport and storage

ODACON<sup>®</sup> EM is delivered in 10 l or 20 l can.

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.

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