

Aktiphos® 662 V

Corrosion inhibitor with hardness stabilization and dispersion properties for cooling water treatment

APPLICATION

Aktiphos® 662 предназначен для обработки воды в открытых системах охлаждения. Используется для обработки воды на электростанциях, в металлургической и химической промышленности. Продукт подходит для обработки воды с pH в диапазоне от 6,0 до 9,0.

SPECIFICATION

Active agents:	mix of phosphorus and polycarboxylate compounds
Form:	liquid
Ability to dissolve:	completely water-dissolveable
pH value:	about 4
P2O5 value:	about 15%
Density (20°C):	about 1.25 g/cm ³
Freezing point:	about - 9°C
Viscosity:	< 50 mPas

ACTION

Aktiphos® 662 has excellent corrosion inhibition, stiffness stabilization and dispersion properties. The product is chemically and thermally stable. Thanks to inorganic and organic phosphorus compounds, phosphate stabilizers and polymers, a synergistic effect is achieved and metal surfaces are protected from corrosion.

DOSING

Aktiphos® 662 V can be dosed both concentrated and diluted, using a dosing pump. Circulating water in the cooling system usually maintains a product concentration of 20 - 50 g/m³.

ANALYTICAL CONTROL

The amount of Aktiphos® 662 V in the cooling water is set by the colorimetric method of analysis of phosphorus P2O5 (organic P):

1 g/m³ (ppm) P = 15,4 g/m³ (ppm)

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1 g/m³ (ppm) PO₄ = 5,0 g/m³ (ppm)

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1 g/m³ (ppm) P2O5 = 6,7 g/m³ (ppm)

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PROCESS CONTROL

The control process covers the process water treatment monitoring and the analytical control of cooling water quality.

SERTIFICATION

Our quality management system (ISO 9001:2008) and environmental management system (ISO 14001:2005) are DQS certified.