

Ferrocid® 8583

Biocide for the treatment of cooling water, process water and membrane water systems.

APPLICATION

Ferrocid® 8583 is a biocide for cooling water, process water and membrane water systems. The product is used for effective control of microorganisms (bacteria, fungi and algae) in industrial water circulation systems. It is also used to protect against the formation of mucus, bacteria and algae. These organisms can create an environment that is highly corrosive and cause biological fouling. In membrane systems, microbiological fouling affects the appearance of a film on the membrane surface, which can block the membrane. Ferrocid® 8583 slows down the growth of biological flora and removes existing microorganisms.

Ferrocid® 8583 is effective against *Legionella pneumophila* and *Legionella gormanii* bacteria, which cause legionellosis.

Ferrocid® 8583 does not foam nesukelia putų susidarymo. The product is active within the pH range of 6 to 9. It is intended for industrial use only. It may not be used for drinking water treatment or in domestic water supply systems.

SPECIFICATION

Ferrocid® 8583 is a liquid mixture based on organic N-heterocyclic compounds and dispersants.

Form:	yellow-blue liquid, transparent/lightly turbid solution
Density (20 °C):	1,04 ± 0,05 g/cm ³
pH (1% liquid):	5,5 ± 1,0
Solubility in water:	Mixed up to a ratio of 1:1
Freezing point:	below -2°C
Viscosity:	< 30 mPas/s

ENVIRONMENTAL IMPACT

The product isn't volatile or combustible. Please read the safety data sheet.

DOSAGE

The dosage of the product to the cooling system depends on many factors: the degree of contamination, the type of microbiological contamination, the rate of water flow, temperature, time ingress. The correct dosage will be selected by the technical department of ŠOMIS.

Product concentration limits in process water are from 10 to 100 g/m³.

USAGE

Ferrocid® 8583 is used concentrated. Shock dosing is recommended. The product is best dosed at or before the most intensive mixing point.

Ferrocid® 8583 is a non-oxidizing biocide, so in most cases it can be used for organic membranes.

All supply and mixing equipment (containers, pumps, pipes) should be made of acid-resistant material, e.g. PE, PP, PVC.

SERTIFICATION

Ferrocid® 8583 is registered in Germany as a biocide by CA BAuA pagal PT11 No.-N-12594.

SAFEGUARDS

Use with caution.

Please read the instructions and information on the label carefully before use.