



Surface Technologies

Technical Product Bulletin

P3-ferrocid® 8583

Biocide for cooling and process water systems

Principal Applications:

P3-ferrocid 8583 effectively controls microorganisms (bacteria, fungi and algae) in industrial recirculating water systems.

It is useful against slime forming and other bacteria and algae. These organisms can produce an environment in which serious corrosion and biofouling take place.

P3-ferrocid 8583 is also active in the control of Legionella pneumophila and Legionella gormanii bacteria, which causes Legionnaire's disease (Legionellose).

P3-ferrocid 8583 is efficient in a pH-range from 6 to 9.

P3-ferrocid 8583 is intended for industrial use only. Do not apply to potable water or domestic water systems.

General Description:

P3-ferrocid 8583 is a liquid mixture based on organic N-heterocyclic compounds and dispersant.

Appearance:

clear, yellowish solution

Density (20°C/68°F):

1.05 ± 0.02 g/cm³

pH (1 % Solution):

4.75 ± 0.35

Solubility in Water:

miscible up to max. 1:1

Sensitivity to Freezing: below 0°C
Viscosity (Brookfield, 100 RPM, 20°C/68°F): 14 ± 5 mPa s

Effect on Environment: The product is non-volatile and non-inflammable.
For further information please see material safety data sheet.

Dosage: In recirculated cooling water, the treatment depends on degree of contamination, on existing nutritive substances, type of microbiological deposits, temperature, holding time index and should be selected with the help of a Henkel-representative.

Product concentration range in the recirculation water:
10-100 g/m³.

Application: P3-ferrocid 8583 should be added undiluted. Feeding is recommended to be done as a shock treatment.

Dosage for continuous application is achieved by an automatic feeding equipment regulated by the amount of make up water.

The product should preferably be added at or before a point of high mixing intensity in the system.

The complete feeding equipment (containers, pumps, pipelines) must be made of acid resistant material e.g. PE, PP, PVC.

Attention: Use biocides safely. Always read the label and product information before use.

Handling precautions: For information please see material safety data sheet.

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