



Surface Technologies

Technical Product Bulletin

P3-ferrocid® 8580

Biocid for cooling and process water systems

Principal Applications: P3-ferrocid 8580 provides rapid, wide range microbicidal effect for use in controlling bacteria, fungi, and algae in industrial recirculating cooling water. These microorganisms can produce an environment in which severe corrosion and biofouling take place.

P3-ferrocid 8580 is efficient in a pH-range from 7 to 9.

P3-ferrocid 8580 is non-persistent in aquatic environment after use.

P3-ferrocid 8580 is intended for industrial use only. Do not apply to drinking water or domestic water systems.

General Description: P3-ferrocid 8580 is a liquid product based on an organic bromine compound.

Appearance: clear, colourless to amber coloured liquid

Density (20 °C/68 °F): $1.25 \pm 0.08 \text{ g/m}^3$

pH: typically between 2 and 5

Viscosity: app. 45 mPa s

Sensitivity to Freezing: below - 5 °C

Freezing Point: - 20 ± 1 °C

COD: 1170 ± 210 mg O₂/g

Effect on Environment: For further information please see material safety data sheet.

If our instructions are followed, P3-ferrocid 8580 will fulfill the requirements of German law. P3-ferrocid 8580 will be decomposed into harmless compounds. The decomposition is caused by pH-depending hydrolization and happens after use in the cooling system itself.

Dosage: In recirculating cooling water, the treatment depends on degree of contamination, on existing nutritive substances, types of microbiological desposits, temperature, and pH-value and should be selected with the help of a Henkel-representative.

The concentration range of P3-ferrocid 8580 in recirculating cooling water is between 10 and 40 g/m³.

On use of P3-ferrocid 8580 the specific legislation must be attended.

Application: P3-ferrocid 8580 should be added undiluted. Feeding is recommended to be done as a shock treatment. The product should preferably be added at or before a point of high mixing intensity in the system. The complete feeding equipment (containers, pumps, pipes) must be made from corrosion-resistant material. The use of plastics, e.g. PE, PVC is highly recommended.

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

**Storing and Handling
Precautions:**

For further information please see material safety data sheet.

The product is stabil for one year by attending the following details: The product is sensitive against light. P3-ferrocid 8580 evolves gas slowly during normal storage. To prevent building up of pressure the product is delivered in specially vested containers. Keep this product in original container and tightly closed, when not in use. Store in well ventilated area at temperature below 40 °C/ 104 °F (not beside heat sources).

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