



Doster Sp. z o.o.

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product data sheet

Name of preparation: **HYDOS C502**

Water treatment in open cooling cycles

Application and properties:

HYDOS C502 is an corrosion inhibitor and a water hardness stabilizer for cycle cooling water. The preparation protects steel, iron and non-ferrous metals against corrosion as well as prevents deposition of limescale in open cooling water cycles. HYDOS C502 is a water solution of acrylic copolymer and zinc chloride. Zinc is present in the form of cathodic corrosion inhibitor for corrosion prevention. An additional advantage of HYDOS C502 is protection of a galvanized system. Appropriately selected polymers contained in the preparation maintain calcium and magnesium ions in a dissolved state, which in normal conditions would form a layer of limescale. Additionally, a passivating film is formed which provides additional anticorrosion protection. The effect of HYDOS C502 is based on prevention of crystallization, that is formation of limescale build-up. The preparation has dispersion properties, it is not aggressive towards sealing and non-metallic parts.

Dosage:

HYDOS C502 has to be dosed with a dosing pump or manually proportionally to the amount of make-up water. For small cycles dosing may be made manually. A dosing system should be made of plastic or stainless steel.

The amount of the preparation depends on: thermal load of a cooling surface, a degree of water circulation, the content of solids in water.

Dosage of the preparation: 30-100 ml/m³ of make-up water.

Analyses:

The content of HYDOS C502 is determined with "MINITEST C502".

Technical data:

external appearance	: viscous, light yellow liquid
density for 20°C (g/cm ³)	:~1.13
1% solution pH	:3-4
water solubility	:soluble in every concentration

Impact on the natural environment:

The preparation discharged to a sewage system in small amounts does not disturb the operation of a biological wastewater treatment plant.

Method of use of HYDOS C502:

It is recommended that personnel handling HYDOS C502 in a concentrated form used protective gloves and goggles. If the product gets into eyes, immediately rinse them with a large amount of water. Other information about safe handling of the product are contained in its data sheet.

Storage:

Expiry date: one year from date of production, in original packaging. Protect against frost and direct exposure to sun.

Packaging:

Plastic containers with the capacity of 25, 200, 1,000 litres.

Type of a preparation, a dosage method and a size of a dose should be every time consulted with a representative of DOSTER Sp. z o.o.

Additional information about the preparation may be obtained at +48 32 219 09 20, +48 32 218 81 78.

