

Additives for water treatments



PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
HYDRODIS CS	Incrustation inhibitors for CaCO_3 and $\text{Mg}(\text{OH})_2$ over the entire temperature range, in fresh water treatment (open and closed circuits) and sea water treatment. Also available as fully and partially neutralized.	Facilitates the control of silicate deposits so that cycles between cleaning processes can be extended and costs saved. Good incrustation prevention, dispersing effect, replacement of polycarboxylates and classical phosphonates.
HYDRODIS R 859	Incrustation inhibitor for CaSO_4 , CaCO_3 , BaSO_4 and $\text{Mg}(\text{OH})_2$ in reverse osmosis, as well as in water treatment (open and closed circuits). Ready-to-use formulation.	Can also be used at salt concentrations of water that are very close to saturation. Use for the control of soluble and insoluble Fe-salt deposits as well as for the dispersion of silicate deposits. Good incrustation prevention and dispersing effect, replacement of polycarboxylates and classical phosphonates.
HYDRODIS RO 1201	Concentrated incrustation inhibitor for CaSO_4 , CaCO_3 , BaSO_4 and $\text{Mg}(\text{OH})_2$ in reverse osmosis, as well as in water treatment (open and closed cycles).	Can also be used at salt concentrations of water that are very close to saturation. Use for the control of soluble and insoluble Fe-salt deposits as well as for the dispersion of silicate deposits. Good incrustation prevention and dispersing effect, replacement of polycarboxylates and classical phosphonates.
POLYGON PC 1167	Incrustation inhibitor for CaCO_3 and $\text{Mg}(\text{OH})_2$, suitable for the entire temperature range; suitable for fresh water (open and closed circuits) and seawater treatment.	Stable against active chlorine and other oxidizing agents. Very good water solubility. Good temperature stability (up to 130°C max.)
POLYGON PC 1387	Incrustation inhibitors for CaCO_3 and $\text{Mg}(\text{OH})_2$ over the entire temperature range, in fresh water treatment (open and closed circuits) and sea water treatment. Also available fully neutralized. Use in wintering facilities for swimming pools.	Good incrustation prevention and dispersing effect. In combination with polycarboxylates very effective corrosion inhibitor in circulatory systems.
POLYGON PC 1390	Threshold-active sequestering and dispersing agent for liquid and powder products in dishwashers. Partial replacement for sodium tripolyphosphate. For I & I as well as household cleaners. Prevents encrustation and stabilizes hydrogen peroxide.	Good CaCO_3 sequestering ability in basic media. Its pronounced Fe ion sequestration capability makes it an excellent choice at any pH. Stable to chloroisocyanurates and hypochlorites. Is also used as an additive against encrustations with 2-3% in formulations with a total phosphorus content of 6%. Is also available as granules.
POLYGON PC 1393	Incrustation inhibitors for CaCO_3 and $\text{Mg}(\text{OH})_2$ over the entire temperature range, in fresh water treatment (open and closed circuits) and sea water treatment. Especially suitable for the treatment of swimming pool waters.	Stable against active chlorine, H_2O_2 . Use in disinfectants. Completely soluble in water, very good stability at $\text{pH} > 7$. Good Mg binding capacity. Easily biodegradable.

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POLYGON PC 1873	Non-amine corrosion inhibitor for iron, steel, non-ferrous metals and especially for zinc. Suppresses the formation of white rust (ZnCO ₃) under alkaline conditions (pH 9-11).	Free of mineral oils, nitrite, 4-tert-butylbenzoic acid (PTBBA) and all amines. Slightly foaming, not sensitive to hard water. Extends the service life of water-mixed cooling lubricants, grinding solutions, aqueous hydraulic fluids and cooling water systems.
POLYGON PC 2023	Corrosion inhibitor for steel. For both open and closed circuits.	For organic, Zn-free systems. Replaces sodium molybdate and phosphonates. Often used together with POLYGON PC 1198.
POLYGON PC 2026	Oxygen scavenger for fresh and supplement water treatment. Important v.a. at higher temperatures. Alternative to Na sulfite and hydrazine.	Non-toxic, therefore also approved for food processing.
POLYGON PCG 1209	Corrosion inhibition of iron, steel, non-ferrous metals and aluminum in a neutral and alkaline medium (pH 8-13)	Use as corrosion inhibitor for cooling water circuits