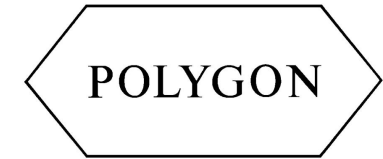


Additives for cooling lubricants

The product list is not complete. The statements made do not dispense the reader from verifying them.

Product names	Properties
POLYGON PC 1375	Minimal quantity lubrication. Very low solidification point (-25 bis -35 °C). Defoaming properties. Stable over a wide temperature range.
POLYGON PC 1826	Foam-reduced corrosion inhibitor for cooling lubricants w.r.t. iron and steel. Only limited solubility in water (cloudy). Soluble in glycols, isopropyl alcohol and alcohol-water-blends.
POLYGON PC 1873	Amine and nitrate-free corrosion inhibitor for iron, steel, non-ferrous metals, particularly zinc. Prevents white corrosion (ZnCO ₃) in alkaline solutions (pH 9-11), prolongs life of water mixed cooling lubricants.
POLYGON PC 1875	Additive for extreme pressure and anti-wear in metal-working fluids; corrosion inhibiting properties
POLYGON PC 1879	Oligomeric phosphonic acid (patented). Particularly suitable for metal treatment, colling lubricants and electroplating.
POLYGON PC 1919	Anti-wear additive for oily systems and hydrocarbons. Not soluble in water (but can be dispersed), soluble in oil, fuel, and hydrocarbons.
POLYGON PCG 1209	Corrosion inhibitor. Particularly suitable for cooling lubricants and hydraulic fluids. Contains Zn.
POLYGON PCG 1210	Oil-soluble corrosion inhibitor for cooling lubricants with dewatering effect. Protects particularly iron, steel and copper. Derusting, water-free, non-foaming.
POLYGON PCG 1831	Corrosion inhibitor to protect iron, steel, and non-ferrous metals, also Al, in alkaline solutions. Particularly for tin plate. For water-miscible cooling lubricants.
POLYGON PCG 1939	Oil-soluble corrosion inhibitor with dewatering effect. Forms a monomolecular hydrophobic film.
POLYGON PCG 1952	Heavy-duty corrosion inhibitor. Improves wetting of iron and non-ferrous metals in hydrocarbon-based solvents during degreasing. Leaves a protective layer against rusting.
POLYGON PCG 2055 new	Aqueous corrosion inhibitor for iron and steel at pH 9-11. Foam reduced. Free of mineral oils, nitrite, PTBB (p-tert.-butyl-benzoic acid) and secondary amines.
TENSAN AO	Stabiliser; prevents catalytic reactions of heavy metals (Cu, Fe, Ni) in certain degradation and oxidation processes (e.g. in unsaturated fatty acids).
TENSAN KS	Polyfunctional surfactant and solubiliser, particularly suitable for cleaners in cooling lubricant systems.
TENSAN P 197	Phosphated alcohol ethoxylate (free acid). Excellent wetting agent and good solubiliser. Polyfunctional. Very stable against alkaline, low-foaming. Dispersible in water. Soluble in most organic solvents and oils. Corrosion inhibiting properties, particularly w.r.t. iron. Very low cloud point.
TENSAN P 864	Emulsifier and load carrier for cooling lubricants, frequently used in combination with ethoxylated fatty alcohols, to stabilise properties of surfactants under various temperature conditions. Anionic, foam-reduced, wetting well, acidic (free acid), good stability against alkaline.

Products of POLYGON CHEMICAL LTD.



Additivs for cooling lubricants

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Product names	Properties
TENSAN P 874	Emulsifier and load carrier for cooling lubricants, frequently used in combination with ethoxylated fatty alcohols, to stabilise properties of surfactants under various temperature conditions. Anionic, foam-reduced, wetting well, acidic (free acid), good stability against alkaline.

for other products for coolings lubricants see under biocides, incrustations inhibitors + dispersing agents