

Products of POLYGON CHEMICAL LTD.



POLYGON

Special surfactants

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

Product names	Ionogenicity	foam	Application	Properties
POLYGON PC 1199	nonionic	defoaming above cloud-point (35 °C)	Defoamer (at temperatures above 35°C) with very good wetting and degreasing properties.	Used in low-foam cleaners, high gloss dryers and rinse aids for washing dishes and glass (hydrophilic at elevated temperatures). Easily combinable with nonionics (particularly APGs), quats and anionic surfactants.
POLYGON PC 1711	nonionic	low foam above cloud-point	Wetting agent, emulsifier, defoamer for acidic, neutral and alkaline aqueous cleaners (above cloud-point).	Very good fat emulsifier in alkaline cleaners. Easily combinable with nonionics (particularly APGs), quats and anionic surfactants.
POLYGON PC 1721	nonionic	foaming	Wetting agent for acidic, neutral and alkaline aqueous cleaners. Emulsifier in aqueous formulations to remove fat.	Defoamer in aqueous cleaners (above cloud-point). Available in 90% concentration, too.
POLYGON PC 2010	anionic	high foam	Surfactant with good wetting and strong soil release properties for hard, smooth surfaces such as glass, ceramics, metal, or plastics. Stable in acidic, neutral slightly alkaline conditions. Used in various field such as detergents for cars, window, glass, bath, kitchen.	Does not cause any corrosion on polycarbonate.
POLYGON PCG 1430	cationic / nonionic	forms a stable fine foam	Concentrate for use in neutral, acidic and alkaline degreasers; improved stability at low temperature.	Soluble at any pH. Used as main surfactant in professional metal degreasers, ultrasonic bath cleaners, pressure cleaners to remove oil and fat, rust, mass finishing media, polishing agents, break dust, pigments as well as in car, engine and shopfloor cleaners. Very efficient in cleaning plastic surfaces; reduces electrostatic charges of plastic crates, floorings, tarpaulins, blinds and garden furniture.

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POLYGON PCG 1439	amphoteric / nonionic	high foam	Foam-active formulation of surfactants with chelating agents for caustic cleaners.	Excellent solubility in water. Highly surface active. Foaming, dispersing, inhibiting incrustations. Used as concentrate in aqueous, foam-active, high alkaline cleaners for professional and industrial use (e.g. high alkaline foam cleaners for smokehouses, kitchens, deep fryers).
POLYGON PCG 1443	nonionic / anionic	low foam	Additive for cleaners with protection against soil redeposition: forms an easy-to-clean surface	Exceptional wetting properties on hydrophilic and hydrophobic surfaces. Any kind of dirt and soil can be removed easily with water. Leaves a monomolecular, hydrophobic protective film which prevents the deposition of soil and the formation of stains.
POLYGON PCG 1444	anionic / nonionic	very high foam	Foam-active formulation of surfactants and sequestering agents	Excellent solubility in water, high surface-activity. Dispersing and inhibiting incrustations. Produces a very stable foam. Excellent wetting properties and detergency power. Used in aqueous, foam-active high alkaline cleaners for institutional and industrial purposes. Particularly also for high alkaline foam cleaners in the food industry.
POLYGON PCG 1664	nonionic	foaming	Readily biodegradable combination of surfactants for household, professional and industrial cleaners.	Readily biodegradable. Good degreaser. Easily soluble at any pH. Used in metal degreasers, shopfloor and engine cleaners, particularly for cleaning plastic surfaces, floorings, tarpaulins, blinds, garden furniture. Removes rust, oil and fats, break dust and pigments.

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POLYGON PCG 1821	anionic / nonionic	low foam above cloud-point (35 °C)	Readily biodegradable combination of surfactants with extremely good degreasing properties.	Concentrate for use in aqueous low-foaming alkaline cleaners for professional and industrial use. For dewaxing metals and new cars, CIP cleaners for tanks and boilers, separators, spray cleaners, professional automatic dishwashers.
POLYGON PCG 1935	amphoteric / nonionic	practically no foam	Readily biodegradable combination of surfactants with extremely good degreasing properties.	Used in low-foaming cleaners and degreasers. Suitable for high alkaline systems, too. Corrosion inhibitor.
POLYGON PCG 1944 new	cationic / nonionic	forms a stable fine foam	Concentrate for use in neutral, acidic and alkaline degreasers.	Concentrate for aqueous, neutral and acidic cleaners, e.g. for metal degreasing, ultrasonic bath cleaners, pressure cleaners to remove oil, fat, and rust, mass finishing media, polishing agents, as well as in car, engine and shopfloor cleaners. Cleans plastic surfaces and reduces electrostatic charges. Excels by its good solubility and stability in alkaline media.
POLYGON PCG 1945	cationic / nonionic	low foam	Concentrate for use in low-foam degreasers at any pH; particularly well suited for high-alkaline conditions.	Low-foam blend of surfactants with high surface activity and high affinity to hydrophobic and hydrophilic surfaces. Used as main surfactant in professional metal degreasers, ultrasonic bath cleaners, pressure cleaners to remove oil and fat, rust, mass finishing media, polishing agents, break dust, pigments as well as in car, engine and shopfloor cleaners. Very efficient in cleaning plastic surfaces; reduces electrostatic charges of plastic crates, floorings, tarpaulins, blinds and garden furniture.

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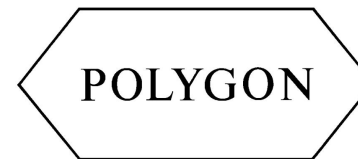
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Product names	Ionogenicity	foam	Application	Properties
POLYGON PCG 1946	cationic / nonionic	forms a stable fine foam	Concentrate for use in neutral, acidic and alkaline degreasers.	Soluble at any pH. Used as main surfactant in professional metal degreasers, ultrasonic bath cleaners, pressure cleaners to remove oil and fat, rust, mass finishing media, polishing agents, break dust, pigments as well as in car, engine and shopfloor cleaners. Very efficient in cleaning plastic surfaces; reduces electrostatic charges of plastic crates, floorings, tarpaulins, blinds and garden furniture.
POLYGON PCG 2004 new	nonionic	foam reduced	Low-foam concentrate for caustic cleaners for professional use (particularly CIP-cleaners)	As main surfactant in very caustic cleaners concentrates such as for carbon grease removers, drain pipe cleaners. Degreasing, surface active, and foam reduced, as well as inhibiting incrustations. Good solubility in caustic alkalines.
POLYGON PCG 2029	cationic / nonionic	forms a stable fine foam	Concentrate for use in neutral, acidic and alkaline degreasers.	Soluble at any pH. Used as main surfactant in professional metal degreasers, ultrasonic bath cleaners, pressure cleaners to remove oil and fat, rust, mass finishing media, polishing agents, break dust, pigments as well as in car, engine and shopfloor cleaners. Very efficient in cleaning plastic surfaces; reduces electrostatic charges of plastic crates, floorings, tarpaulins, blinds and garden furniture.
POLYGON PCG 2035 new	cationic / nonionic	foam reduced	Concentrate particularly suitable for low foaming degreasers, suitable for whole pH range, particularly in very alkaline media.	Good solubility. Reduces electrostatic charges.

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TENSAN CAB	amphoteric	forms a stable high foam	Wetting agent and hydrotrope for high-foaming cleaners	Stable in acids as well as alkali. Depending on the pH compatible with any kind of surfactant. Increases viscosity in combination with anionic surfactants.