

| PRODUCTNAME | APPLICATION AREA | DESCRIPTION |
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## Solubilizers & Emulsifiers

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| <b>POLYGON PC-415</b><br><b>NEW</b>                     | Odorless universal solvent. Completely miscible with water and at the same time with practically all organic substance groups. It is therefore suitable as a universal solvent for detergents and cleaning agents, metal cleaners, polishes and other applications. | Surfactant-enhancing effect in washing and. Detergents. Solubilizer for waxes, oils, active ingredients, polymers, additives, stabilizers, antioxidants. Odorless replacement of e.g. butyl acetate, NMP, methacrylic acid, dipropylene glycol methyl ether, MEK or cycloaliphatic and aromatic solvents. Based on renewable raw materials (68.2%). Halal and Kosher certified. |
| <b>TENSAN ACPK</b>                                      | Highly concentrated solubilizer, co-surfactant with corrosion inhibiting properties.  | Salt-free highly concentrated surfactant. Insoluble in water at around neutral pH. Soluble in acidic and alkaline conditions. Antistatic.   |
| <b>TENSAN G-B</b><br>As TENSAN G-B MB in RSPO-Quality   | Multifunctional, low-foaming APG as the main and co-surfactant for I&I and household cleaners. Particularly suitable for degreasing metal, tarpaulins, blinds, garden furniture and for ultrasonic bathroom cleaners or pressure cleaners.                          | Good stabilizing and solubilizing properties. Good compatibility with all types of surfactants. Can reduce the viscosity of highly concentrated surfactants. Biodegradable. Label free.   |
| <b>TENSAN G-CA</b><br>As TENSAN G-CA MB in RSPO-Quality | Multifunctional, low-foam APG hydrotropic properties. Particularly suitable for CIP cleaners for degreasing metal, for floor cleaners and cleaners for plastic surfaces.  | Particularly skin-friendly. Good stability and alkali resistance. Good solubilizer and good wetting agent. Good compatibility with all types of surfactants. Biodegradable. Label free.   |
| <b>TENSAN G-H</b><br>As TENSAN G-H MB in RSPO-Quality   | Multifunctional, low-foaming APG with hydrotropic properties. Particularly suitable for CIP cleaners for degreasing metal, for floor cleaners and cleaners for plastic surfaces.  | Particularly skin-friendly. Good stability and alkali resistance. Good solubilizer and good wetting agent. Good compatibility with all types of surfactants. Biodegradable.   |
| <b>TENSAN KS</b>  | Low-foaming polyfunctional amphoteric surfactant. Universal solubilizers supports corrosion protection.   | Polyfunctional, salt-free surfactant. Excellent dirt-removing properties, good demulsifier. Very good stability against alkalinity and electrolytes. Good compatibility with other surfactants. Replaces cumene sulfonate. E.g. for high pressure cleaners, automatic cleaning machines.  |

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| <b>TENSAN KSL</b>     | Reduced-foam polyfunctional amphoteric surfactant with good wetting properties.   | Polyfunctional surfactant, salt-free. Increases detergency power. Corrosion inhibitor, particularly of iron in very acidic and in alkaline conditions. Good demulsifier in effluents.   |
| <b>TENSAN KSM</b>     | Low foaming solubilizer, good hydrotropic agent, also suitable for very high or and especially also for very low pH.  | Polyfunctional surfactant. Very strong solubilizer. Very high stability in alkali and electrolytes. Pronounced soil removing properties. Good compatibility with other surfactants. Good demulsifier in effluents.  |
| <b>TENSAN P-197</b>   | Excellent wetting agent and good solubilizer. Also available as potassium salt.   | Corrosion inhibitor, esp. with iron. For alkaline cleaners, particularly in metal treatment. Very low cloud point. Dispersible in water.  |
| <b>TENSAN P-853</b>   | Polyfunctional surfactant with good wetting and emulsifying properties. Very good corrosion inhibitor. Shows good dispersing power in inks (increase in colour strength). | Soluble in many organic solvents, in water after neutralisation. Is a good cleaning, wetting and strong emulsifying agent. Used as main and co-surfactant e.g. in metal cleaners, lubricants, grinding oils, and hydraulic fluids.  |
| <b>TENSAN P-864</b>   | Polyfunctional surfactant with good wetting and emulsifying properties. Shows good dispersing power in inks (increase in colour strength).                                | Phosphated alcohol ethoxylate (free acid), soluble in many organic solvents, in water after neutralisation. Very good resistance against alkali. Used as main and co-surfactant in cleaners, particularly for metal degreasing, car care, heavy-duty cleaners, and in textile industry. |
| <b>TENSAN P-876</b>   | Emulsifier for silicone and paraffin oils. With corrosion inhibiting properties w.r.t aluminum in alkaline solution.  | Polyfunctional surfactant with good emulsifying properties, good wetting and dispersing properties in connection with high alkali and electrolyte stability; limited stability against acids.   |
| <b>TENSAN P-894</b>   | Polyfunctional surfactant with good dispersing properties and pronounced wetting properties; solubilising agent.  | Very high solubility in water, strong soil removing properties. Increases detergency power. Inhibits corrosion and demulsifies water effluents. Used e.g. in alkaline cleaners, heavy-duty cleaners, and generally in industrial cleaners.  |
| <b>TENSAN P-894 P</b> | Polyfunctional surfactant with good dispersing properties, pronounced wetting properties, excellent stability in alkali and electrolytes. Solubilizer.                    | Good stability in alkali. High watersolubility. Pronounced soil removing properties. Very high stability in alkali and electrolytes. Increases detergency power. Demulsifier in effluents. Dispersing agent for pigments in aqueous systems.  |

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| <b>TENSAN PP-396/70</b> | Low-foaming solubilizer with excellent cleaning ability. Supports corrosion protection.   | Increases detergency power and solubility of other surfactants. Good wetting properties. Stable against bacterial degradation, e.g. in cooling lubricants.                               |
| <b>TENSAN PP-40</b>     | Solubilizer for a broad pH range. Good compatibility with electrolytes. Cosurfactant in highly concentrated industrial cleaners. Supports corrosion inhibition.   | Solubilizer for a broad pH range. Good compatibility with electrolytes. Cosurfactant in highly concentrated industrial cleaners. Supports corrosion inhibition.                          |
| <b>TENSAN PP-40 P</b>   | Solubilizer for a wide pH range. Good compatibility with electrolytes. Surface-active auxiliary substance in highly concentrated industrial cleaners. Supports corrosion protection. Improved solubility. | Solubilizer for a wide pH range. Good compatibility with electrolytes. Co-surfactant in highly concentrated industrial cleaners. Supports corrosion protection.                          |
| <b>TENSAN VS</b>        | Strong foaming solubilizer, especially for non-ionic surfactants, even at very high or very low pH. e.g. in foam cleaners, conveyor belt cleaners and surface cleaners. Also solubilizes perfume oils.    | Polyfunctional surfactant, salt-free. Corrosion inhibitor pronounced soil removing properties. Good demulsifier in effluents.  |
| <b>TENSAN VS 100</b>    | Strong foaming solubilizer, especially for non-ionic surfactants, even at very high or very low pH. E.g. in foam cleaners, conveyor belt cleaners and surface cleaners.                                   | Powder. Good stability. Hydrotrope in a wide pH range and in soft and hard water. Salt-free. High suitability in metal applications to avoid pitting and corrosion. FOR POWDER PRODUCTS. |