



## SoniChem Ultrasonic Cleaning Chemicals

Selecting the proper chemical to use in your ultrasonic cleaner is an important part of every successful ultrasonic cleaning application. Unlike many industrial cleaning agents that address specific contaminants and substrate materials, but may have components that actually inhibit ultrasonic cavitation, our **SoniChem** ultrasonic cleaning agents are specially formulated to enhance the ultrasonic activity in any ultrasonic cleaner. There's a **SoniChem** product for almost every ultrasonic cleaning application, and our Sonicor applications engineers are always ready to discuss your application and recommend the appropriate **SoniChem** product.



NO.	Name/Description	pH	Application/Compatibility	Contaminants	Use
101	<b>All Purpose Detergent</b> Liquid, all purpose cleaner, ceramics, glass	13.0	All metals except aluminum, plastics, ceramics, glass, graphite	Light oils, grease, dust, dirt, fingerprints	Conc.- 1-4 oz./gallon of water Temperature – 120° -150°F
102	<b>Ammoniated Detergent</b> Liquid, ammoniated special purpose cleaner	12.6-13.3	All metals except aluminum, plastics, ceramics, glass, graphite	Dust, Dirt, Buffing compounds	Conc: 1 part to 10 parts water Temperature – 70° -160°F
103	<b>Aqueous Degreaser</b> Liquid, Alkaline solvent cleaner	12.8	All metals except aluminum, plastics, ceramics, glass, graphite	Oils	Conc.- 10-16 oz./gallon of water Temperature – 120° -160°F
105	<b>Surgical Instrument Cleaner</b> Liquid, mildly alkaline cleaner, disinfectant, sanitizer	10.0-10.5	Surgical Instruments, dental instruments	Blood, tissue, microorganisms	Conc.- 1-4 oz./gallon of water Temperature – 120° -140°F
106	<b>Jewelry Cleaner</b> Liquid, ammoniated special purpose cleaner	12.6-13.3	Jewelry & gemstone cleaning	Dirt, jewelers rouge, polishing compounds	Conc: 1 part to 10 parts water Temperature – 70° -160°F
107	<b>Optical Cleaner</b> Liquid, mildly alkaline cleaner, disinfectant, sanitizer	10.0-10.5	Optical lenses, glass and plastic, Eyeglass frames	Dirt, dust, oils, fingerprints	Conc.- 1-4 oz./gallon of water Temperature – 120° -140°F

NO.	Name/Description	pH	Application/Compatibility	Contaminants	Use
114	<b>Aqueous Power Degreaser</b> Liquid, slightly alkaline, free-rinsing detergent	9.0-10.0	All metals, plastics, glass ceramics	Grease & Oils	Conc: 1 part to 10 parts water Temperature – 120° -160°F
116	<b>Sonic Strip</b> Liquid, Heavy-duty alkaline, ink remover	13.5	Ferrous metals, plastics, ceramics	Gravure & Flexographic printing inks, oils, wax, grime, grease, dirt	Conc: 1 part to 3 parts water Temperature – 130° -150°F
119	<b>Non-Ionic Wetting Agent</b> Liquid, near-neutral, surfactant/wetting agent	7.0	All metals, plastics, ceramic, glass	Light oils, airborne soils, particulates, fingerprints	Conc.- 1-2 oz./gallon of water Temperature – 100° -130°F
119A	<b>Non-Ionic Anti-Stat</b> Liquid, near-neutral, Anti-static surfactant/wetting agent	7.0	All metals, plastics, ceramic, glass	Light oils, airborne soils, particulates, fingerprints	Conc.- 1-2 oz./gallon of water Temperature – 100° -130°F
123	<b>Heavy-Duty Detergent</b> Liquid, Heavy-Duty, Non-caustic Alkaline	12.0	Ferrous metals, plastics, ceramic, glass	Silicone oils, grease	Conc.- 4-10 oz./gallon of water Temperature – 120° -150°F
124	<b>Non-Caustic Detergent</b> Liquid, Heavy-Duty, Non-caustic Alkaline	12.0	Ferrous metals, some brass, some aluminum alloys, plastics, ceramic, glass	Oxidation, some carbon, grease, oil	Conc.- 6-12 oz./gallon of water Temperature – 140° -170°F
129	<b>Copper Cleaner</b> <b>Liquid, acidic oxidation remover/cleaner</b>	2.0-3.0	Copper, Copper alloys, plastics, ceramics, glass, graphite	Tarnish, light oils, grease, dust, dirt,	Conc.- 1 part to 8 parts water Temperature – 100° -120°F
202	<b>Buffing Compound Remover</b> Liquid, Non-caustic Alkaline	12.0	Most metals (no aluminum), gemstones	Tripoli, rouge, buffing compounds	Conc: 1 part to 3 parts water Temperature – 120° -140°F
205	<b>Carbon &amp; Rust Remover</b> Powdered, Heavy-Duty caustic Alkaline material	13.5	Ferrous metals	Oxidation, carbon deposits	Conc: Saturated solution in water Temperature – 120° -160°F
301	<b>Sonic Phosphoric Detergent</b> Liquid, slightly acidic material	5.0-5.5	Aluminum, Brass, Copper, beryllium, zinc	Oxidation, scale, tarnish, oils, fingerprints, dust	Conc: 1 part to 5 parts water Temperature – 150° -180°F
304	<b>Cast-Off</b> Liquid, mildly acidic material for removal of investment casting material	5.0-5.5	All metals	Investment casting material	Conc: 1 part to 5 parts water Temperature – 150° -180°F

## Sonicor Incorporated

82 Otis Street, West Babylon N.Y. 11704

Ph: (631) 920-6555 • Fax: (631) 920-6080 • Email: [customerservice@sonicor.com](mailto:customerservice@sonicor.com)



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