



TECHNICAL DATA SHEET

AQUASONIC® 100 ULTRASOUND TRANSMISSION GEL

Physical Description:	Viscous, clear blue, temperature stable, aqueous gel
Composition:	Reverse osmosis (RO) water, humectant, polymer, preservatives, water-soluble fragrance, and FD&C color.
Preservatives:	Propyl paraben and methyl paraben in bacteriostatic concentration
pH Range:	6.50 – 6.95
Density:	1.08 (g/cc)
Velocity:	1.49 (10 ⁵ cm/sec)
Viscosity:	130,000-195,000 CPS (Brookfield Viscometer, Model RVT, Spindle T-C, 2.5 RPM)
Acoustic Impedance:	1.60 (10 ⁵ gm/cm ² sec)
Bulk Modulus:	2.39 (10 ¹⁰ gm/cm sec ²)
Efficiency:	Over 90% coupling efficiency at all medical frequencies (Starting at 0.5 MHz)
Safety:	<p>AQUASONIC® 100 has been in use worldwide for over 30 years. Millions of applications have demonstrated that AQUASONIC® 100 is non-sensitizing, hypo-allergenic, non-irritating to skin and non-injurious to transducers.</p> <p>Human patch tolerance testing concludes that AQUASONIC® 100 is free of any skin sensitizing properties.</p> <p>Animal testing of sample batches evaluated in accordance with CFR-1500-41 Federal Hazardous Substance Act concludes that AQUASONIC® 100 is not a primary irritant to the skin.</p> <p>Skin and eye irritation tests on rabbits scored by Draize Method conclude that AQUASONIC® 100 is non-irritating to rabbit eyes and skin (intact and abraded).</p>
Shelf Life:	Indefinite
Precautions:	No special handling required. It is non-flammable, non-corrosive and does not contain alcohol or formaldehyde.
Schedule B#:	3823-90-7000

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