

# SONOTECH NEWSLETTER

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## Ultragel II 1976 - 2006

30 years, millions of inspections by thousands of inspectors worldwide - **Ultragel II** is the most frequently specified and used NDT ultrasonic couplant in the world. From the recent BP pipeline inspection, where over 100 inspectors used more than 200 gallons of **Ultragel II**, to the in service inspection of aircraft turbine blades, **Ultragel II** provides a 30 year history of enhanced ultrasound coupling, proven corrosion inhibition, materials compatibility and inspector safety.

### New Immersion Wetting Agent:

The application of **Echocide** has been expanded to include use as a wetting agent in addition to its antimicrobial properties. At a concentration of 0.2% (2 gallons/1000 gallon tank), **Echocide** lowers the surface tension of water to 40 dynes/cm and lowers the interfacial tension to 2.4 dynes/cm and provides control of microorganisms including bacteria, algae, mold fungus and viruses. This concentration of **Echocide** contributes approximately 10 ppm Chlorine to the water (the active biocide concentration is 100 ppm). **Echocide** is approved to Boeing BAC5968.

### Low Electrical Conductivity Couplants

For inspecting electrical generating equipment where couplants may be "left behind", **Thermasonic** and **Gel 3000** have electrical conductivity of less than 0.1 micro-siemens.



### Sonotech High Temperature Couplants

have been tested for auto ignition temperatures by commercial laboratories specializing in PSI and Spectra testing procedures. The auto ignition point is the temperature at which a substance ignites without sources of energy.

Couplant	Auto Ignition Point
Thermasonic	720°F / 382.6°C
Sono 600 gel	935°F / 501°C
Sonotemp	1065°F / 573.8°C
Pyrogel 25	960°F / 515.5°C
Sono 900	990°F / 532°C
Sono 950	1040°F / 560°C
Sono 1100	1160°F / 626.6°C

### Sonotech's proven performance

With 41 years experience and 45 ultrasonic coupling products, chances are we can help you improve your NDT ultrasonic inspections. Coupling selection is often the missing link that optimizes system performance and assures no short or long term harm to the part. Contact us by phone or e-mail and we will perform a free review of your ultrasonic coupling applications. We may be able to extend your operating temperature range, improve performance, safety and cost in your NDT operations. **Sonotech** – *Focused on optimally coupling sound while doing no harm to the part or to the environment.*

