

# GEL 3000<sup>®</sup> ultrasonic couplant with fluorescent tracer



**ENVIRONMENTALLY BENIGN**

Gel 3000 contains a fluorescent tracer that enables the inspector to monitor transducer overlap and ensure complete couplant coverage and removal by illuminating couplants or residue with ultraviolet light. Gel 3000 enables testing verification.

Temperature Operating Range:  
0° to 325°F (-18° to 163°C)

## Benefits

- Water-free, water washable formulation containing an ultraviolet fluorescent tracer.
- Excellent wetting properties and slow evaporation rate
- Lubricious; will not run or drip
- Water-free, yet completely water-soluble.
- Environmentally benign formula

## Safety

- Non-flammable, Non-irritating, orally nontoxic
- Contains NO water, glycerine, humectants, solvents, heavy metals, harsh surfactants, glycol ethers, nitrites, silicones, dyes or fragrances.

## Removal

- Can be completely removed with a mild detergent and a water wash or spray.

## Chemical Analysis and Certification

Independent laboratory analysis of Chlorine and Sulfur referencing ASTM procedures is provided at no additional charge.

## Chemistry

Total Halogens.....<150 ppm  
Sulfur..... <150 ppm

## Corrosion Inhibition

*Gel 3000 couplant offers very low corrosion potential on titanium, aluminum, steel and its alloys.*

- Gel 3000 couplant contains a corrosion inhibitor for steel with a relative effectiveness rating of 85 (refer to Sonotech's Quantitative Ultrasonic Couplant Comparison Chart - call for a copy).
- Gel 3000 is manufactured by Sonotech under license from Boeing North America, Inc. (formerly Rockwell International)

## Environmental Awareness

*Sonotech developed environmentally benign couplants to minimize impact on the environment. Gel 3000 contains biodegradable materials, safe for disposal. The likelihood of skin irritation has been reduced through the use of cosmetic grade ingredients.*

*Environmentally benign couplants are designed specifically for applications where couplant may not be removed by the inspector, may later be removed by weather, or could come into contact with animals, humans, and waterways.*

## Properties<sup>1</sup>

Viscosity (Brookfield LV #5 @1.5 rpm)  
Grade 8 (fluid/med. visc.)..... ~20,000 cps  
Grade 25 (fluid/high visc.)..... ~140,000 cps  
Grade 60 (stable gel)..... ~600,000 cps  
Velocity.....1.35± .05 mm/μsec  
Acoustic Impedance.....1.45± .05 MRays

<sup>1</sup>At ambient temperature.

## Packaging

1-gallon (4 liter) container



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