

## SONOTRACE<sup>®</sup> ULTRASONIC COUPLANT

### GENERAL DESCRIPTION

Sonotrace<sup>®</sup> is a glycerine and silicon-free, water-based couplant formulated for flaw detection and thickness gauging applications where halogens, sulfur and low melting point materials must be kept to a minimum. It comes in two viscosities, low viscosity fluid and very high viscosity gel.

### TEMPERATURE OPERATING RANGE

25° to 175°F (-4° to 79°C)

### BENEFITS

- Contains humectants to retard drying
- Offers good wetting ability and ferrous corrosion resistance
- Does not contain glycerine

### TYPICAL PROPERTIES (at ambient temperature)

| Typical Properties                                       | Sonotrace <sup>®</sup> |
|----------------------------------------------------------|------------------------|
| Viscosity (Brookfield LV Helipath Spindle E @ @ 1.5 rpm) |                        |
| Grade 30 (Medium)                                        | ~65,000 cps            |
| Grade 40 (High)                                          | ~125,000 cps           |
| Velocity                                                 | 1.50 ± .05 mm/μsec     |
| pH                                                       | 7.8 ± .5               |
| Total Halogens                                           | <50 ppm                |
| Sulfur                                                   | <50 ppm                |

### SAFETY

Non-flammable and non-irritating. Contains no silicones, cellulose or petroleum distillates. No heavy metals incorporated into formula.

### REMOVAL

Water soluble; easily removed with water.

### ACOUSTIC TRANSMISSION

Optimal transmission requires that an ultrasonic couplant have no air bubbles that can reflect, scatter and attenuate sound waves. Sonotech<sup>®</sup>'s unique processing eliminates couplant air bubbles.

**CORROSION INHIBITION**

Sonotrace<sup>®</sup> contains a corrosion inhibitor for ferrous metals with a relative effectiveness rating of 80 and is compatible with most composites and metals.

**PACKAGING****Grade 30**

- 1 Gal. (4 Liter) Container
- 5 Gal. (18.9 Liter) Container
- 55 Gal. (208.2 Liter) Drum

**Grade 40**

- 1 Gal. (4 Liter) Container
- 5 Gal. (18.9 Liter) Container
- 55 Gal. (208.2 Liter) Drum