

SOUNDCLEAR[®] ULTRASONIC COUPLANT

GENERAL DESCRIPTION

Soundclear[®] is an environmentally benign couplant that holds on overhead surfaces and fills depressions in rough surfaces, facilitating its use in flaw detection, thickness gauging, and acoustic emission testing.

TEMPERATURE OPERATING RANGE

20° to 200°F (-7° to 93°C)

BENEFITS

- Environmentally benign formula
- Increased acoustic impedance for reduced surface noise
- Good surface wetting capability
- Slow drying with enhanced transducer lubrication
- Gel viscosity holds on a majority of overhead and vertical surfaces
- Low skin irritation potential

TYPICAL PROPERTIES (at ambient temperature)

| Typical Properties | Soundclear [®] |
|---|-------------------------|
| Viscosity (Brookfield Helipath Spindle E @ 1.5 rpm) | |
| Grade 60 | ~170,000 cps |
| pH | 7.8 ± .5 |
| Total Halogens | <50 ppm |
| Sulfur | <50 ppm |
| Glycerine | Contains Glycerine |

SAFETY

Non-flammable and non-irritating. Contains no heavy metals, harsh surfactants, glycol ethers, nitrites, silicones, dyes or fragrances.

REMOVAL

Water-soluble; easily removed with water rinse.

ACOUSTIC TRANSMISSION

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

CORROSION INHIBITION

Soundclear[®] contains a corrosion inhibitor for ferrous metals with a relative effectiveness rating of 45 and is compatible with aluminum and titanium alloys.

ENVIRONMENTAL AWARENESS

Sonotech[®] developed environmentally benign couplants to minimize impact on the environment. Soundclear 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 be removed by weather, or could come into contact with animals, humans, and waterways.

PACKAGING

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