SOUNDSAFE® ULTRASONIC COUPLANT

GENERAL DESCRIPTION
Soundsafe® offers a high performance couplant for use in overhead, vertical and horizontal applications where environmental concerns are a primary consideration.

TEMPERATURE OPERATING RANGE
0º to 200ºF (-18º to 93ºC)

BENEFITS
■ Environmentally benign formula
■ Increased acoustic impedance for reduced surface noise
■ Good surface wetting capability
■ Gel viscosity holds on most overhead and vertical surfaces
■ Corrosion inhibiting system for ferrous based materials

TYPICAL PROPERTIES (at ambient temperature)

<table>
<thead>
<tr>
<th>Typical Properties</th>
<th>Soundsafe®</th>
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</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>~80,000 cps (Brookfield Helipath Spindle E @ 1.5 rpm)</td>
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<tr>
<td>Velocity</td>
<td>1.60 to 1.65 mm/µsec</td>
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<tr>
<td>Acoustic Impedance</td>
<td>1.70 to 1.75 MRayls</td>
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<tr>
<td>pH</td>
<td>7.8± .5</td>
</tr>
<tr>
<td>Total Halogens</td>
<td>&lt;50 ppm</td>
</tr>
<tr>
<td>Sulfur</td>
<td>&lt;50 ppm</td>
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<tr>
<td>Glycerine</td>
<td>Contains Glycerine</td>
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</table>

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.
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
Soundsafe® contains a corrosion inhibitor for ferrous metals with a relative effectiveness rating of 75 and is compatible with most composites and metals. Ferrous Corrosion Characteristics Chart available at: http://www.magnaflux.com.

SPECIFICATION COMPLIANCE:
PWA 36700/36604 Hot corrosion testing on High Temperature Alloys, AMS 5544 (Waspalloy), 5536 (Hastelloy X), 6359 (Ferrous based alloys), 4037 (Aluminum), 5608 (Haynes 188), 5508 (Greek Ascoloy) and 4375 (Magnesium) and on gas turbine blade coatings, PWA 286 and 275, Pratt and Whitney PWA 36604, MCL E-205 Type II or ASTM F945, Stress Corrosion Cracking testing on Titanium Alloys.

PACKAGING
1 Gal. (4 Liter) Container
5 Gal. (18.9 Liter) Container
55 Gal. (208.2 Liter) Drum
4 oz. (120 mL) Bottle (12 Pack)
12 oz. (355 mL) Bottle (12 Pack)