

# VersaSonic®

## Multipurpose High Temperature Ultrasonic Couplant

**VersaSonic** is the most versatile couplant with UT inspection applications from high temperature to turbine rotors to extreme weather conditions. VersaSonic is a low toxicity, biodegradable couplant in two viscosities with a broad operating range. It does not contain peanut oil.

### PRODUCT DESCRIPTION

Instantaneous ultrasonic response (does not contain plastic powders which delay ultrasonic coupling).

Two viscosities covering flaw, corrosion mapping and thickness gaging at high and low temperatures and in mud, snow and rain.

Ambient and low temperature coupling where corrosion inhibition is critical.

Excellent corrosion inhibitor. Provides non-toxic, superior, long-term corrosion inhibition for steel and cast iron and is compatible with other metals and most plastics. VersaSonic may be left in place unless it will interfere with subsequent manufacturing operations such as painting or electroplating.

Low environmental impact.

Contains no perfluorocarbons, silicones, peanut or tree nut oils.

Low vaporization – more stable high temperature readings

**Note:** In confined spaces and inspection ports the temperature can be approximately 150°F higher than on exposed pipe.



### PRODUCT SPECIFICATIONS

#### Operating Range:

-10° to 700° F (-23° to 371° C)

- **Auto-ignition:** ASTM E-659: 788° F (420° C)
- **Viscosity:** Medium/Standard: 29.25 Pa.s.  
High: 80.54 Pa.s.
- **Halogens & Sulfur:** Less than 50 ppm
- $V_1 = 0.15/\mu\text{s}$ ,  $Z = 1.49/\text{cm}^2 - \text{sec} \times 10^5$
- **Compliance:**  
ASTM F519  
ASME Boiler & Pressure Vessel Code (T-533)  
NAVSHIPS 250-1500  
FAA-AC #25-29 (Glycerin-free)  
Nuclear Grade (< 50 ppm Halogens & Sulfur)  
P91 Steel Inspection (Water-free)

PACKAGING	MV	HV
2 oz. (US) / 59 ml tubes		x
4 oz. (US) / 118 ml tubes		x
1 quart (US) / 0.946 liter	x	x
1 gallon (US) / 3.785 liter	x	x
5 gallon (US) / 18.9 liter	x	x

**ECHO** ultrasonics  The couplant experts



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