

VersaSonic®

Multipurpose High Temperature Ultrasonic Couplant

VersaSonic multipurpose high temperature ultrasonic couplant for flaw inspection and thickness gaging. Plant based, low toxicity, biodegradable couplant in three viscosities with a broad high to low operating range.

PRODUCT DESCRIPTION

Ambient and low temperature coupling where corrosion inhibition is critical.

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

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 smoke and odor at elevated temperatures. No plastic powder char remaining after inspection.

Low environmental impact. Contains no perfluorocarbons, silicones, peanut or tree nut oils.

VersaSonic® successfully performs in excess of 700°F (371°C). Typical UT flaw and thickness applications use thin couplant films in an open environment where the small amount of gas formed can dissipate quickly. **However, if fire (auto-ignition) is of concern, VersaSonic® should not be used above 700°F/371°C and instead EchoTherm™ or EchoTherm™ Extreme should be used.** **Safety:** NOT Hazardous by OSHA HazCom 2012 Criteria. **Removal:** Wipe with paper or cloth rag. If complete removal is required, dish detergent and water, Echo 4HT or a chemical degreaser can be used.

*SDS and typical certifications are available at echoultrasonics.com.



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
Fluid: 750 cSt
- **Halogens & Sulfur:** Less than 50 ppm
 $V_1 = 0.15/\mu\text{s}$, $Z = 1.49/\text{cm}^2 - \text{sec} \times 10^5$
- **Conforms to ASTM F 519-13:**
Hydrogen Embrittlement

| PACKAGING | MV | HV | FLUID |
|-----------------------------|----|----|-------|
| 2 oz. (US) / 60ml tubes | | x | |
| 4 oz. (US) / 120ml tubes | | x | |
| 1 quart (US) / 0.946 liter | x | x | |
| 1 gallon (US) / 3.785 liter | x | x | x |
| 5 gallon (US) / 18.9 liter | x | x | x |

ECHO ultrasonics
The couplant experts

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