

# VersaSonic® *Multipurpose High Temperature Ultrasonic Couplant for flaw inspection and thickness gaging*

VersaSonic successfully performs in excess of 950°F (510°C) and below 0°F (-17.78°C) in many open environment applications

## PRODUCT DESCRIPTION

Plant based, low toxicity, biodegradable very high viscosity couplant with a broad operating range.

**High temperature coupling** for flaw inspection and thickness gaging.

**Ambient 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.

**High Viscosity** remains in place on surfaces and transducers.

**Low smoke** and odor at elevated temperatures.

**Low environmental impact.**

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

**Non-drying, lubricious formula.** Will not irritate skin. May be used to treat chapped or dry hands.

**Safety:** non-toxic to skin, no noxious fumes, environmentally benign. Not for ingestion.

**Packaging:** 2-oz (US)/60 ml tubes  
1-quart (US)/0.946 liter  
1-gallon (US)/3.785 liter

## PRODUCT SPECIFICATIONS

**Viscosity:**

TA Rheometer Model AR 1000N at 25°C.

**Shear Rate:** 25 reciprocal seconds.

**Halogens and Sulfur** less than 50 ppm.

**Auto Ignition (Cleveland):** Auto Ignition 800°F (425°C) under closed conditions with sustained temperature (ASTM E-659)

**Operating Range.** VersaSonic successfully performs in excess of 950°F (510°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 an unlikely couplant gas auto ignition small flash is of major concern, VersaSonic should not be used above the auto ignition temperature.

*SDS and typical metallurgical certifications are available at [www.echoultrasonics.com](http://www.echoultrasonics.com)*



**REMOVAL:** wipe with paper or cloth rag. If complete removal is required, dish detergent and water or a chemical degreaser can be used.

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