

# EchoFLOW™

## Fluid Ultrasonic Couplant

**EchoFLOW** is an AUT fluid couplant that is easy to pump in cold environments and will not boil or evaporate on hot parts up to 240°F / 115°C. The increased acoustic impedance reduces surface noise on rough surfaces and highly attenuating materials and enhances ultrasound transmission.

**EchoFLOW** is non-toxic and safe for use in critical environments, such as Alaska's Arctic Tundra.

### PRODUCT DESCRIPTION

Pasteurized for product purity

High acoustic impedance

Low viscosity fluid at -40°F/C

Will not harden on equipment

Compatible with plastics

### SAFETY

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

### VISCOSITY REFERENCE

- 17 cps @ 68°F (20°C)
- 113 cps @ 14°F (-10 °C)
- 289 cps @ -4°F (-20 °C)
- 631 cps @ -22°F (-30 °C)
- 1,398 cps @ -40°F (-40 °C)

### PRODUCT SPECIFICATIONS

#### Operating Range:

-40° to 150°F (-40° to 65°C)

- **Boiling Point:** 250°F (121°C)
- **Freezing Point:** -51°F (-46°C)
- **Auto-ignition Temperature:** 732°F (389°C)
- **Total Halogens:** Less than 50 ppm
- **Sulfur:** Less than 50 ppm
- **Acoustic Impedance:** 2.143 x 10<sup>5</sup> cm/sec
- **Specific Gravity:** 1.162

### PACKAGING

1 gallon (US) / 3.8 liter rigid plastic container  
5 gallon (US) / 19 liter rigid plastic container