EchoPure™

Phased Array
Cold Weather
Warm Welds

EchoPure is the most universal water-soluble/water-free UT couplant and the couplant of choice for Phased Array Manual UT (PAMUT) Inspection. EchoPure improves defect reproducibility by eliminating dry spots under the wedge and the resulting noise and artifacts.

EchoPure is an ideal couplant for very cold environment inspections and will not frost on test objects causing attenuation at temperatures as low as -60°F/51°C. EchoPure is also excellent for ambient and elevated temperature use such as warm welds up to 350°F and on pipe in the desert summer sun, where slow evaporation and long inspection windows are desired.

PRODUCT DESCRIPTION

Strongest coupling film available. Ideal for phased array and angle beam inspection.

Very slow drying. Drying time is days or weeks.

Salt stable. Does not thin with corrosion, roadway or marine salts.

Better multi-metal compatibility than most UT couplants.

Does not contain glycerin.

Ingredients generally recognized as safe by the FDA.

Environmentally friendly.

Water-free and water-soluble with excellent acoustic properties.

Low viscosity is ideal for use in drones.

PACKAGING

1 gallon / 3.8 liter cubitainer
5 gallon / 19 liter cubitainer
55 gallon / 208 liter drum

PRODUCT SPECIFICATIONS

Operating Range:
-60˚ to 350˚F (-51˚ to 176˚C)

- **Auto-ignition Temperature:** 700˚F (371˚C)
- **Viscosity:**
  Low: Similar to glycerin
  Medium: High viscosity fluid (similar to honey)
  High: Stiff gel-like fluid (best for high temperature surfaces or ambient)
- **Halogens & Sulfur:** Less than 50 ppm
- **Compliance:**
  ASTM F519
  P91 steel water-free requirement
  ASME Boiler & Pressure Vessel Code (T-533)
  NAVSHIPS 250-1500
  FAA-AC #25-29 (Glycerin-free)
  Nuclear Grade (< 50 ppm Halogens & Sulfur)

REMOVAL: Wipe with a cloth or water wash.

SDS available at www.echoultrasonics.com

ECHO ultrasonics
The couplant experts

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