

UT-X is an economical, environmentally benign couplant for flaw detection and thickness gaging that resists viscosity breakdown on salt-caked boiler surfaces and corroded steel surfaces.

Temperature Operating Range:

32° to 125°F (0° to 52°C)

Benefits

- Environmentally benign formula
- Resists viscosity breakdown on salt-cake boiler surfaces

Safety

- Non-flammable, Non-irritating, orally nontoxic
- Contains no heavy metals, harsh surfactants, glycol ethers, nitrites, silicones, dyes or fragrances.

Removal

The polymer (thickening agent) in UT-X will form a film if allowed to dry on the part. If complete removal of couplant is required, do so before the film has dried, with a water rinse or a water and brushing combination. If allowed to dry, and a film forms, it can be removed by pressure washing, preferably with hot water, immersing the part in water until the film rehydrates and can be washed or brushed off, or wire brushing or sand blasting.

Chemical Analysis and Certification

Independent laboratory analysis of Chlorine, Fluorine and Sulfur referencing ASTM procedures is provided at no additional charge.

Chemistry

Total Halogens..... <50 ppm
Sulfur..... <50 ppm

Properties¹

Viscosity~75,000 cps
(Brookfield Helipath Spindle E @ 1.5 rpm)

pH..... 7.5 to 9.0

¹At ambient temperature.

Corrosion Inhibition*

UT-X contains a corrosion inhibitor for steel with a relative effectiveness rating of 45 (refer to Sonotech's Quantitative Ultrasonic Couplant Comparison Chart - call for a copy) and is compatible with aluminum and titanium alloys.

**If corrosion inhibition is a significant concern select one of the Echogel grades.*

Environmental Awareness

Sonotech developed environmentally benign couplants to minimize impact on the environment. UT-X contains biodegradable materials, safe for disposal. The likelihood of skin irritation has been reduced through the use of cosmetic grade ingredients.

Environmentally benign couplants are designed specifically for applications where couplant may not be removed by the inspector, may later be removed by weather, or could come into contact with animals, humans, and waterways.

Packaging

1-gallon (4 liter) container
5-gallon (18.9 liter) container
15-gallon (56.8 liter) drum
55-gallon (208.2 liter) drum

