Humex is an *humectant-free* couplant. It was developed for flaw detection, acoustic emission testing, and thickness gaging applications where delayed corrosion could occur from residual humectants or where residual humectants could interfere with subsequent liquid penetrant inspection or composite bonding and lamination.

**Temperature Operating Range:**
32° to 130°F (0° to 54°C)

**Benefits**
- Contains no humectants
- Environmentally benign

**Safety**
- Contains NO water, glycerine, humectants, solvents, heavy metals, harsh surfactants, glycol ethers, nitrites, silicones, dyes or fragrances.
- Non-flammable, Non-irritating, orally nontoxic

**Removal**
- Water-soluble; easily removed with water rinse

**Environmental Awareness**
Sonotech developed environmentally benign couplants to minimize impact on the environment. Humex 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.

**Chemical Analysis and Certification**
An independent laboratory analysis of Chlorine and Sulfur referencing ASTM procedures is furnished with each shipment at no additional charge.

**Chemistry**
- Total Halogens...............................<50 ppm
- Sulfur.................................<50 ppm
- Nitrite..................................<50 ppm
- Low melting point metals...........<50 ppm

**Properties**
- Viscosity .................................~180,000 cps (Brookfield Helipath Spindle E @ 1.5 rpm)
- pH ...........................................7.8±0.5

1 At ambient temperature.

**Corrosion Inhibition**
Humex couplant contains a corrosion inhibitor for steel that is compatible with aluminum and titanium alloys. Not recommended for use on cast iron if ferrous corrosion is a concern.

**Recommended Alternate Products**
The polymer (thickening agent) in Humex can be thinned or destroyed in the presence of salt cake. When testing power plants where salt cake is present use UT-X or UT-X Powder.

**Packaging**
5-gallon (18.9 liter) container