

Sonofac immersion additive is a concentrated, biodegradable additive for ultrasonic immersion tanks and automated systems that use water as a coupling medium.

Benefits

- Reduces surface tension and eliminates air trapped in immersion baths
- Reduces the need to heat immersion baths or allow baths to de-air
- Lowers interfacial tension between oil and water, improving the degree of wetting of oily parts and reducing the incidence of small air bubbles clinging to the part when immersed
- Provides better coupling during automated scanning

Safety and Environment

- Contains a biodegradable nonionic surfactant that may be safely discharged into industrial sewers. See MSDS for precautions regarding undiluted product.

Properties (0.1% solution in deionized water)

Halogens.....>50ppm
 Sulfur.....>50ppm
 pH.....6.0±1.0
 Cloud point.....150°F (48°C)

Packaging

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

Wetting Agents

As tanks are refilled or parts are submerged into water for inspection, air bubbles form in the tank and on immersed parts. Air bubbles interfere with sound waves and degrade ultrasound transmission. Optimal transmission requires no air bubbles that can reflect, scatter or attenuate sound waves. Wetting agents, like Sonofac, lower the surface tension of the water and release tiny air bubbles that cling to parts. Sonofac also reduces the interfacial tension between dirt/oil and water. Oil and dirt on parts can trap and attract air bubbles. As the parts are submerged, Sonofac helps strip away the air trapped by oil and dirt.

**Recommended Sonofac Addition
 Usual application (0.1% by volume)**

16fl. oz. (473 ml) Sonofac	per	125 gallons immersion water
1 gallon (3.8 liters) Sonofac	per	1,000 gallons immersion water

For oily parts (0.15% by volume)

24 fl. oz. (710 ml) Sonofac	per	125 gallons immersion water
1.5 gallon (5.7 liters) Sonofac	per	1,000 gallons immersion water

For bubble or squirter applications (0.05% by volume)

8 oz. (236 ml) Sonofac	per	125 gallons immersion water
64 oz. (1.89 liters) Sonofac	per	1,000 gallons immersion water

