

# SONOGLIDE<sup>®</sup> UP ultrasonic couplant



NSN# 6635-01-565-2310

ENVIRONMENTALLY BENIGN



SonoGlide UP is recommended for use in **non-ferrous** metal ultrasonic flaw detection and thickness gaging on smooth surfaces such as aircraft, turbine rotors, finished bar stock and machine forgings. SonoGlide UP is ideal for use with food processing machinery and pharmaceutical manufacturing and storage equipment<sup>1</sup>

## Temperature Operating Range:

-60° to 250°F (-51° to 121°C)

## Benefits

- Extended drying time and broad temperature operating range of SonoGlide support re-inspection of parts at a later time
- Water soluble couplant that provides excellent acoustic properties and transducer lubrication
- Self-leveling; provides fast, easy spreading over large areas
- Compatible with plastics; will not harden on transducers or instruments
- Low potential for skin irritation-will not dye clothing

## Safety

- Non-flammable, Non-irritating, orally nontoxic
- The most environmentally benign of the extended range couplants.
- Contains NO heavy metals, surfactants, glycol ethers, nitrites, silicones, dyes or fragrances

## Removal

- Can be completely removed with a water spray
- Has very slow drying properties and will not solidify on transducer parts or instruments

**SonoGlide UP (Ultra Pure)** for all non-ferrous metals<sup>2</sup>

- Formulated for non-ferrous applications including titanium, aluminum, copper, stainless steel and ferrous-based metals where corrosion is not a concern.
- Use where low levels of halogen and sulfur are specified and/or where superior temperature range and very slow drying characteristics are desired.

## Chemical Analysis and Certification

Independent laboratory analysis of Chlorine and Sulfur referencing ASTM procedures is provided for both products at no additional charge.

SonoGlide UP

Halogens..... <25 ppm  
Sulfur..... <25 ppm

## SonoGlide UP has been tested and approved to:

- PWA 36700/36604 Hot corrosion testing on High Temperature Alloys AMS 5544 (Waspalloy), 5536 (Hastelloy X), 6359 (Ferrous based alloys), 4037 (Aluminum), 5608 (Haynes 188), 5508 (Greek Ascology) and 4375 (Magnesium) and on gas turbine blade coatings PWA 286 and 275
- Pratt and Whitney PWA 36604, MCL E-205 Type II or ASTM F945, Stress Corrosion Cracking testing on Titanium Alloys

## Properties

Viscosity  
Grade 7.....<1,000 cps  
(Brookfield LV #4 @ 60 rpm)  
Grade 10.....~2,500 cps  
(Brookfield LV #2 @ 6 rpm)  
Grade 20..... ~25,000 cps  
(Brookfield LV#4 @ 12 rpm)  
Grade 40..... ~80,000 cps  
(Brookfield LV#4 @ 1.5 rpm)  
pH (UP).....6.6

## Packaging

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

<sup>1</sup> SonoGlide UP grade manufactured with FDA listed ingredients (21CFR Part 172).

<sup>2</sup> If ferrous corrosion inhibition is required, SonoGlide FE is recommended.



774 Marine Drive, Bellingham, WA 98225-1530  
sonotech@sonotech-inc.com

360-671-9121  
Order Phone: 800-458-4254

Fax 360-671-9024  
Order Fax: 800-730-9024

www.sonotech-inc.com

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