



# UNISON 1

Mild alkali liquid detergent for the removal of polishing pastes, soluble oils and light pollutions in ultrasonic process.



## AEROSPACE & AUTOMOTIVE RANGE

FUNCTION	APPLICATION/POLLUTION
Ultrasonic cleaning	Soluble oils, polishing pastes, tumbling residues, etc.

### COMPATIBILITY

- Super alloys :
  - Inconel, Waspalloy, A286
- Hard steels :
  - 52100 Chrome steel, cast iron
  - 15-5 PH, 17-4 PH
- Bearing steels :
  - D50, 440C, 316
- Ceramics
- Polymers
  - Nylon, PA, PEEK

### COMPONENTS

- Surfactants, chelating agents
- No CMR compound, REACH compliant

### PHYSICOCHEMICAL DATA

- pH concentrated: 10.9
- Density: 1.01
- Surface tension: 31 mN/m

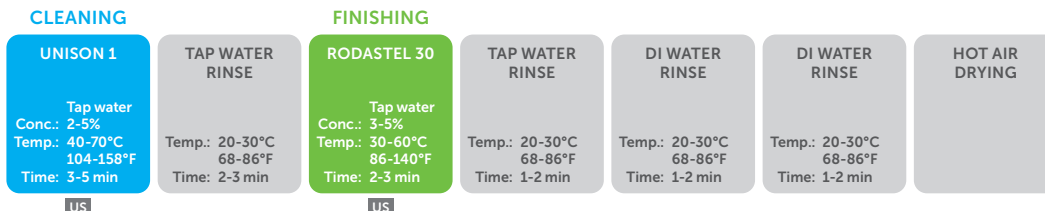
### INSTRUCTIONS FOR USE\*

- Concentration: 2 to 5%
- Temperature: 40 to 70°C
- Time: 3 to 5 minutes

\*Dependent on the quality of the water and the nature and quantity of contaminants.

### PROCESS EXAMPLE

- Removal of polishing compounds in ultrasonic process



### ULTRASONIC CLEANING

The diagram illustrates the ultrasonic cleaning process. It shows a substrate (orange bar) with polishing paste (grey) on its surface. Cavitation bubbles (white circles) are shown forming and collapsing near the substrate, creating high-pressure jets that remove the polishing paste. Surfactants (green wavy lines) are also shown interacting with the surface. Parameters for cleaning are listed as T°, %, Time, and US.

Parameters for cleaning:

T° + % + Time + US

Clean and bright surface.  
Cleaned blind holes.

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### STORAGE CONDITIONS

- Keep the recipient hermetically sealed between 5°C and 40°C (41°F and 104°F) in a dry place.
- Always keep in packaging made from the same material as the original packaging (HDPE).



If you have any questions, please contact our Application Centre on: +41 22 365 46 66

