



# UNISON 1

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



## JEWELLERY RANGE

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

### COMPATIBILITY

- Stainless steel
  - Lead-free brass
  - Silver: 800 - 925 (sterling)
  - Gold: white, pink, yellow
  - Platinum
  - Rhodium, palladium
  - Stones\*:
    - Diamond, sapphire, ruby, emerald
    - Zirconium, ceramic
- \*Please contact NGL before implementing a process

### COMPONENTS

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

### PHYSICOCHEMICAL DATA

- pH concentrated: 10.9
- Density: 1.01
- Surface tension: 31.0 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 EXAMPLES

- Cleaning after polishing

#### CLEANING

<b>UNISON 1</b> Tap water Conc.: 2-5% Temp.: 40-70°C 104-158°F Time: 3-5 min US	<b>UNISON 1</b> Tap water Conc.: 2-5% Temp.: 40-70°C 104-158°F Time: 3-5 min US	<b>TAP WATER RINSE</b> Temp.: 20-30°C 68-86°F Time: 3 min	<b>DI WATER RINSE</b> Temp.: 20-30°C 68-86°F Time: 3-5 min US	<b>DI WATER RINSE</b> Temp.: 20-30°C 68-86°F Time: 3-5 min	<b>HOT AIR DRYING</b>
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- Final cleaning and brightening

#### CLEANING

<b>UNISON 1</b> Tap water Conc.: 2-5% Temp.: 40-70°C 104-158°F Time: 3-5 min US	<b>TAP WATER RINSE</b> Temp.: 20-30°C 68-86°F Time: 3-5 min	<b>FINISHING</b> <b>RODASTEL 30</b> Tap water Conc.: 3-5% Temp.: 30-60°C 86-140°F Time: 2-3 min US	<b>TAP WATER RINSE</b> Temp.: 20-30°C 68-86°F Time: 3-5 min	<b>DI WATER RINSE</b> Temp.: 20-30°C 68-86°F Time: 3-5 min	<b>DI WATER RINSE</b> Temp.: 20-30°C 68-86°F Time: 3-5 min	<b>HOT AIR DRYING</b>
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### ULTRASONIC CLEANING

Surfactants

Cavitation bubbles

Polishing paste

Substrate

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

## NGL CLEANING TECHNOLOGY SA - ECOLOGICAL CLEANING SOLUTIONS

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