



# OPTICAL 17.89

Slightly alkaline liquid detergent used in ultrasonic cleaning for the removal of alumina and cerium oxide.



## PRECISION OPTICS RANGE

FUNCTION	APPLICATION/POLLUTION
Ultrasonic cleaning	Cerium oxide, fingerprints and organic residues

### COMPATIBILITY

- Photographic materials:
    - Crown and Flint glasses\*
    - Borosilicate
  - UV/IR materials:
    - Chalcogenides
    - Fused Silica
    - Calcium, magnesium fluorides
- Sapphire
  - Silicon (Si)
  - Zinc selenide (ZnSe)
  - Zinc Sulfide (ZnS)
  - Germanium
- \*Except alkali, phosphate and climate sensitive materials. Please contact NGL before implementing a process.

### INGREDIENTS

- Surfactants
- REACH compliant

### PHYSICAL AND CHEMICAL DATA

- pH concentrated: 9.5
- Density: 1.03
- Surface tension: 27.9 mN/m

### INSTRUCTIONS FOR USE\*

- Concentration: 1 to 5%
- Temperature: 40 to 60°C
- Time: 2 to 3 minutes

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

### PROCESS EXAMPLES

- Removal of polishing abrasives

#### CLEANING

##### OPTICAL 17.89

DI water  
Conc.: 3-5%  
Temp.: 40-55°C  
Time: 2-3 min

US

##### RO WATER RINSE

Temp.: 20-30°C  
Time: 3-5 min

#### FINISHING

##### OPTICAL 17.89

DI water  
Conc.: 1-2%  
Temp.: 40-50°C  
Time: 2-4 min

US

##### RO WATER RINSE

Temp.: 20-30°C  
Time: 3-5 min

##### DI WATER RINSE

Temp.: 20-30°C  
Time: 2-5 min

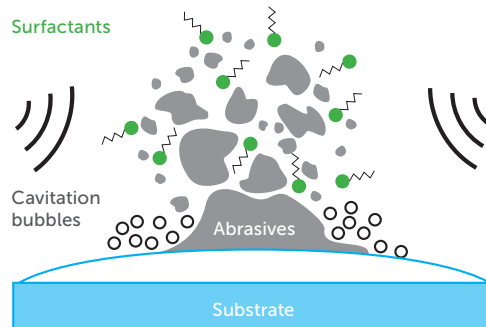
US

##### DI WATER RINSE

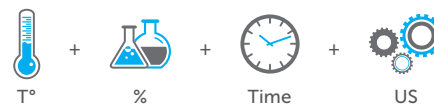
Temp.: 20-30°C  
Time: 2-5 min

##### HOT AIR DRYING

### ULTRASONIC CLEANING



Parameters for cleaning:



03/10/2024

### STORAGE CONDITIONS

- Keep the container hermetically sealed between 5°C and 40°C 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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