



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 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

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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

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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

Surfactants

Cavitation bubbles

Substrate

Parameters for cleaning:



+



+



+



US

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

Chemin de la Vuarpillière 7 – CH-1260 NYON – SWITZERLAND
+41 22 365 46 66 – contact@ngl-group.com – www.ngl-group.com

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