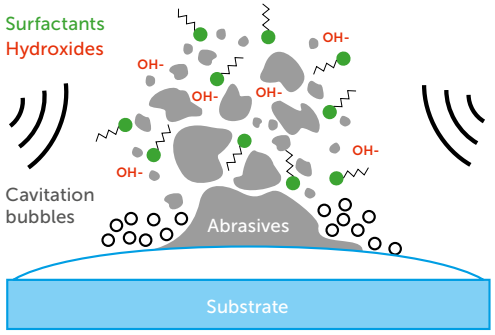
OPTICAL V

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

PRECISION OPTICS RANGE

FUNCTION	APPLICATION/POLLUTION
Ultrasonic cleaning	Alumina and cerium oxide residues

ULTRASONIC CLEANING



Parameters for cleaning:

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

- Strong alkalis, surfactants
- No CMR compounds, REACH compliant

PHYSICAL AND CHEMICAL DATA

- pH concentrated: 14
- Density: 1.35
- Surface tension: 39.7 mN/m

INSTRUCTIONS FOR USE*

- Concentration: 3 to 5%
- Temperature: 40 to 60°C (104-160°F)
- Time: 3 to 5 minutes

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

STORAGE CONDITIONS

- Keep the container 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).

PROCESS EXAMPLES

- Removal of polishing abrasives

CLEANING		FINISHING				
OPTICAL V RO or DI water Conc.: 3-5% Temp.: 40-60°C 104-160°F Time: 3-5 min US	RO WATER RINSE Temp.: 20-30°C 68-86°F Time: 2-3 min	NANOCLEAN 2018 RO or DI water Conc.: 1-3% Temp.: 40-60°C 104-140°F Time: 3-5 min US	RO WATER RINSE Temp.: 20-30°C 68-86°F Time: 1-2 min	DI WATER RINSE Temp.: 20-30°C 68-86°F Time: 1-2 min US	DI WATER RINSE Temp.: 20-30°C 68-86°F Time: 1-2 min	HOT AIR DRYING

- Removal of polishing pitch, blocking glue and abrasive

CLEANING			FINISHING				
ALLSTRIP Conc.: 100% Temp.: 20-50°C 68-122°F Time: 2-10 min US	OPTICAL V RO or DI water Conc.: 3-5% Temp.: 40-60°C 104-160°F Time: 3-5 min US	RO WATER RINSE Temp.: 20-30°C 68-86°F Time: 2-3 min	NANOCLEAN 2018 RO or DI water Conc.: 1-3% Temp.: 40-60°C 104-140°F Time: 3-5 min US	RO WATER RINSE Temp.: 20-30°C 68-86°F Time: 1-2 min	DI WATER RINSE Temp.: 20-30°C 68-86°F Time: 1-2 min US	DI WATER RINSE Temp.: 20-30°C 68-86°F Time: 1-2 min	HOT AIR DRYING

Application Centre

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

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