

NANOCLEAN 2018

Mild alkaline, phosphate free liquid detergent used in ultrasonic processes for the removal of dusts, particles and fingerprints. Also suitable for a hydrophilic finish.



PRECISION OPTICS RANGE

| FUNCTION | APPLICATION/POLLUTION |
|-------------------------------------------------------------|--------------------------------|
| Fine ultrasonic cleaning, separating and hydrophilic finish | Dusts, fingerprints, particles |

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 climate sensitive materials. Please contact NGL before implementing a process.

Hydrophobic surface Reduction of the surface tension of water by surfactants Hydrophilic finish

INGREDIENTS

- Surfactants, chelating agents
- No phosphates
- No CMR compounds, REACH compliant

INSTRUCTIONS FOR USE*

■ Concentration: 1 to 5%

Temperature: 40 to 60°C (104 to 140°F)

■ Time: 3 to 5 minutes

PROCESS EXAMPLES

Cleaning after surfacing

PHYSICAL AND CHEMICAL DATA

pH concentrated: 9.5

Density: 1.03

Surface tension: 27.4 mN/m

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).

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

Surface preparation prior to coating

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



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





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