OPTICAL TOP

Liquid detergent highly concentrated with potassium hydroxide, for the activation of organic glass surfaces and the removal of AR/HC, in ultrasonic processes.

OPHTHALMIC OPTICS RANGE

FUNCTION	APPLICATION/POLLUTION
Ultrasonic cleaning	Surface activation, removal of AR/HC

COMPATIBILITY

- Non-sensitive organic glass
- Mineral glass*

* Please contact NGL before implementing a process.

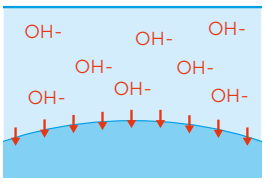
COMPONENTS

- Surfactants, potassium hydroxide
- Strong alkalis
- No CMR compounds, REACH compliant

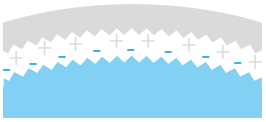
PHYSICOCHEMICAL DATA

- pH concentrated: 14
- Density: 1.50
- Surface tension: 63.6 mN/m

SURFACE ACTIVATION



Surface attack of the polymer by hydroxydes



Molecular bonds released for coating adhesion

Coating adhesion

12/03/26

INSTRUCTIONS FOR USE*

- Concentration: 10 to 25%
- Temperature: 55 to 70°C (131-158°F)
- Time: 5 to 10 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

- Surface activation of organic glass

CLEANING			FINISHING				
OPTICAL TOP RO or DI water Conc.: 10-25% Temp.: 55-70°C 131-158°F Time: 5-10 min US	OPTICAL TOP RO or DI water Conc.: 10-25% Temp.: 55-70°C 131-158°F Time: 5-10 min US	RO WATER RINSE Temp.: 20-30°C 68-86°F Time: 2-3 min	OPTICAL 30 RO or DI water Conc.: 3-5% Temp.: 50-55°C 122-131°F Time: 3-5 min US	RO WATER RINSE Temp.: 20-30°C 68-86°F Time: 2-3 min	DI WATER RINSE Temp.: 20-30°C 68-86°F Time: 2-3 min	DI WATER RINSE + LIFT OUT Temp.: 20-30°C 68-86°F Time: 1-2 min	HOT AIR DRYING or INFRARED DRYING

- Removal of AR/HC coatings

AR STRIPPING		HC STRIPPING				
STRIPCOAT AR RO or DI water Conc.: 5-20% Temp.: 45-65°C 113-149°F Time: 2-10 min US	RO WATER RINSE Temp.: 20-30°C 68-86°F Time: 2-3 min	OPTICAL TOP RO or DI water Conc.: 10-25% Temp.: 55-70°C 131-158°F Time: 5-10 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	DI WATER RINSE + LIFT OUT Temp.: 20-30°C 68-86°F Time: 1-2 min	HOT AIR DRYING or INFRARED DRYING

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

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SWISS QUALITY