



OPTICAL 2010

Powdered detergent, strongly alkaline, highly concentrated with sodium hydroxide for surface activation of organic glasses and removal of HC/AR coatings, in ultrasonic processes.



OPHTHALMIC OPTICS RANGE

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

COMPATIBILITY

- Organic glass
- Mineral glass*
- Polycarbonate

*Please contact NGL before implementing a process.

COMPONENTS

- Sodium hydroxide, surfactants
- Chelating agents, phosphates
- No CMR compounds, REACH compliant

PHYSICOCHEMICAL DATA

- pH (3%): 12.9
- Density: n.m
- Surface tension: 32.3 mN/m

INSTRUCTIONS FOR USE*

- Concentration: 30 to 100 g/L
- Temperature: 50 to 55°C (122°F to 131°F)
- Time: 3 to 5 minutes

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

PROCESS EXAMPLES

- Surface activation of organic glasses

CLEANING

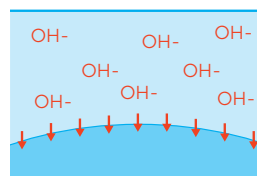
OPTICALT 2010 RO or DI water Conc.: 50-100 g/L Temp.: 50-55°C 122-131°F Time: 3-5 min US	OPTICAL 2010 RO or DI water Conc.: 30-50 g/L Temp.: 50-55°C 122-131°F Time: 3-5 min US	RO WATER RINSE Temp.: 20-30°C 68-86°F Time: 2-3 min	FINISHING OPTICAL 30 RO or DI water Conc.: 3-5% Temp.: 50-55°C 122-131°F Time: 3-5 min US	RO WATER RINSE Temp.: 20-30°C 68-86°F Time: 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
---	---	--	--	--	--	---	-----------------------------------

- Removal of HC/AR deposition

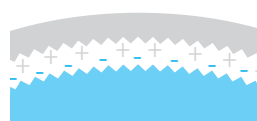
AR STRIPPING

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	HC STRIPPING OPTICAL 2010 RO or DI water Conc.: 30-100 g/L 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
--	--	---	--	--	---	-----------------------------------

SURFACE ACTIVATION



Surface attack of the polymer by **hydroxydes**



Molecular bonds released for coating adhesion



Coating adhesion

21/06/23

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).



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

