

deconex® OP 141

**Highly alkaline cleaning concentrate
for cleaning prior to inspection, prior to
coating and hard lacquering**

For use in soaking baths and ultrasonic cleaning
systems



Application

deconex® OP 141 is a highly alkaline liquid cleaning concentrate used in the manufacture of ophthalmic and sunglass lenses.

The product is used for: prior to inspection cleaning for removing alkali-soluble protective film after manual or automatic blocking; removing alkali-soluble colour markings; removing aluminium oxide and cerium oxide based polishing compounds.

The product is used for the cleaning of plastic lenses manufactured by moulding or pressing. The product is also used for cleaning moulds.

deconex® OP 141 can also be used in the ultrasonic pre-cleaning step in preparation for anti-glare coating, hard lacquer coating and colouring.

Properties

deconex® OP 141 is formulated to provide a strong cleaning action in a wide range of applications.

The product composition enables efficient removal of polishing agents, alkali-soluble protective film and colour markings during the cleaning step ready for inspection.

Its composition also makes the product suitable for removing injection moulding residues, removing polymerising residues from casting moulds and for removing finger marks from hard lacquer and anti-glare coatings.

The product can also be used to activate plastic lenses prior to hard lacquering.

deconex® OP 141 is a concentrate where the synergetic action of the ingredients enables high emulsification rates for loose contaminants and abrasives. This enables long bath lifetime at low concentrations.

The use of special surfactant compounds means that the product can be used for mineral glass and for all the currently available plastic glass types including high-index material.

deconex® OP 141 can be used with tap water.

Ingredients

Alkalis, complexing agent, sequestering agent, solubiliser, surfactant

deconex® OP 141

Dosage

In practice, the following dosage has given good results:

Dosage (general)	Temperature	Exposure time
2-5%	50-65 °C	3-10 min
Dosage for removing alkali-soluble protective film	Temperature	Exposure time
3-6%	50-65 °C	3-10 min
Dosage for activating plastic material	Temperature	Exposure time
> 10%	50-65 °C	3-10 min

The product can be used with tap water.

Information on use

We recommend deconex® OP 171 for precision cleaning prior to inspection and coating

Material compatibility

Suitable for:
Alkaline insensitive, organic and mineral ophthalmic and sun-glass lenses, quartz, sapphire

For materials not mentioned please make your own specific compatibility tests or consult Borer Chemie AG.

Chemical/physical data

pH	1% solution in demineralized water	12.6
Density	concentrate	1.33 g/mL
Appearance	concentrate	clear, colourless to slightly yellowish

Availability

Please ask your local representative about current container sizes.

Containers, screw caps and labels are made of recyclable polyethylene.

Additional information

For information concerning safety at work, storage and waste disposal/effluent, please consult the corresponding safety data sheet.

Take advantage of our vast know-how! Please, contact us for further information regarding your specific application.

Manufacturer:

Borer Chemie AG

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