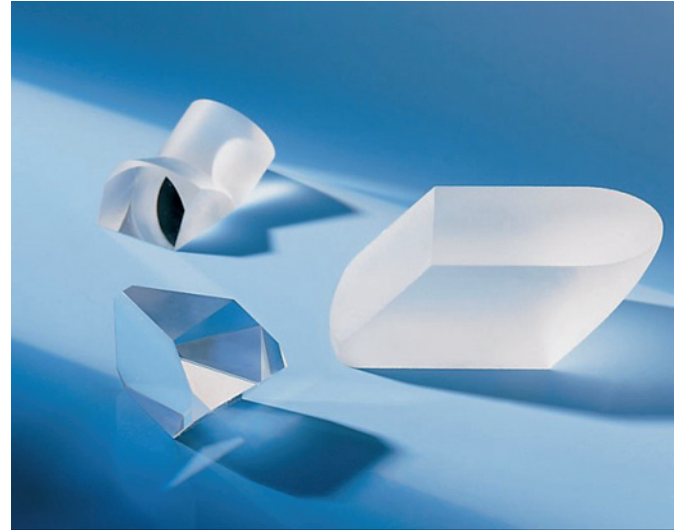


deconex® OP 148

Highly alkaline cleaning concentrate for precision optics and for cleaning ophthalmic lenses prior to inspection and coating

For use in soaking baths and ultrasonic cleaning systems



Usage

deconex® OP 148 is a highly alkaline, liquid cleaning concentrate for use in the optical industry.

Precision optics: the product is used for pre-cleaning prior to inspection for the removal of polishing compounds.

Ophthalmic lenses: the product is used for cleaning prior to inspection for the removal of alkali-soluble protective film, for the removal of alkali-soluble colour marking and for the removal of polishing compounds based on aluminium oxide and cerium oxide.

The product can also be used for the cleaning of moulds.

deconex® OP 148 can also be used in the ultrasonic pre-cleaning step in preparation for anti-glare coating.

Properties

deconex® OP 148 is formulated to provide a strong cleaning action.

The product effectively removes polishing compounds from precision optical components and ophthalmic lenses. It will remove alkali-soluble protective film and colour marking from ophthalmic lenses. It can be used to remove residues from moulds and finger marks.

deconex® OP 148 enables high emulsification rates for loose contaminants and abrasives. This enables long bath lifetime at low concentrations.

The use of special surfactant compounds makes the product suitable for precision optical glass and for plastic and mineral ophthalmic lenses.

Ingredients

Alkalis, surfactant compounds, solubiliser, complexing agent, sequestering agent

Application

The following application conditions have been found to be effective in practice:

Cleaning	Dosage	Temperature	Exposure time
Precision optics	1-5%	25-45 °C	3-10 min
Ophthalmic lenses	2-5%	50-65 °C	3-10 min

The process parameters (time, concentration, temperature) must be adjusted to the parts/materials to be cleaned.

The product can be used with tap water.

deconex® OP 148

Instructions for use

We recommend deconex® OP 163 or deconex® OP 164 for the precision cleaning prior to inspection of precision optical components.

We recommend deconex® OP 171 for the precision cleaning prior to inspection and coating of ophthalmic lenses.

Material compatibility

Suitable for:

Alkaline insensitive organic and mineral ophthalmic and sunglass lenses, alkaline compatible precision optical lenses, quartz, sapphire, ceramics

Not suitable for:

Alkaline sensitive precision optical lenses

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

Chemical-physical data

pH value	1% solution in demineralized water	12.5
Density	Concentrate	1.19 g/ml
Appearance	Concentrate	clear, light yellowish

Additional information

Information regarding safety in the workplace, storage and disposal / waste water can be found on the safety data sheet for this product.

Locally applicable waste water and disposal regulations must be complied with.

Benefit from our expertise! Ask us for practical information about your specific application.

Delivery

Please ask your representative regarding current container sizes.

Containers, screw caps, seals and labels are made from recyclable polyethylene.

Manufacturer:

Borer Chemie AG

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