

# deconex® OP 193

## Neutral, NMP-free special cleaner for precision optical components

For use in soaking baths and ultrasonic cleaning  
systems



### Application

deconex OP 193 is used undiluted at the precleaning stage of precision optical components, for the removal of protective lacquers, putties, resins and pitches.

The product is used primarily in the first step of «prior to inspection» cleaning. It is used in ultrasonic or immersion baths respectively ultrasonic cleaning equipment.

### Properties

deconex OP 193 effectively removes protective lacquers, putties, resins and pitches from all types of precision optics.

Due to excellent wetting properties and small ultrasonic absorption, the undiluted product guarantees a rapid, thorough removing of strongly adhering contaminations.

### Dosage

In practice, the following dosage has given good results:

Dosage	Temperature	Exposure time
100%	25-45 °C	3-10 min

### Information on use

We recommend to use the product in thermostated ultrasonic baths with vapour exhaustion. The temperature of the bath should not exceed 60 °C.

### Material compatibility

Suitable for:  
Precision optical glass, quartz, sapphire, Zerodur, calcium fluoride, ceramics

deconex OP 193 has got good emulsifying properties for removed contaminations; this consequently increases the bath lifetime considerably. It's formulation is N-methylpyrrolidone-free.

For final cleaning we recommend the use of deconex OP 162 or deconex OP 163, depending on the application and on the particular type of precision optics used.

### Ingredients

Solvents

Compatible with the following materials:  
Teflon™ (PTFE), Kalrez™, silicon rubber, polyethylene, (HDPE/LDPE/cross-linked), polypropylene, EP copolymer, Nylon 101, Halar™  
Incompatible with the following materials:  
ABS, PVC, Viton™, Kynar™ (PVDF), Lexan™, Buna-N (NBR), Noryl™ EN-265

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

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## Chemical/physical data

pH	1% solution in demineralized water	approx. 7.0
Density	concentrate	0.95 g/ml
Appearance	concentrate	transparent, 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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