

deconex® OP 193

Neutral, NMP-free special cleaner for precision optical components

For use in soaking baths and ultrasonic cleaning
systems



Usage

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.

Application

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

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

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

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

deconex® OP 193

Instructions for 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

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.

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

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

Gewerbestrasse 13, 4528 Zuchwil / Switzerland

Tel +41 32 686 56 00 Fax +41 32 686 56 90

office@borer.ch, www.borer.swiss

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