deconex®
OP 190

Cleaning concentrate to remove waxes and resins on optical components

For use in ultrasonic cleaning systems

Application

deconex OP 190 is a liquid cleaning concentrate for the spontaneous cleaning in the neutral field of stubborn contamination of waxes and natural resins such as colophonium. deconex OP 190 has to be applied in the preliminary stage of the cleaning process «ready-for-inspection» of optical components.

Properties

deconex OP 190 has excellent emulsifying capabilities and residues of resin and wax are easily removed because of its good wetting performance. The coagulation of residues of waxes and resins prevents removed particles from being redeposited on cleaned surfaces. Etchant or corrosive substances have been omitted. deconex OP 190 consists of mild substances which are at the same time kind to materials and meet the regulation of the environmental protection.

Ingredients

Alkalis, dispersing agent, surface active compounds, solubiliser

Dosage

It is recommended, to carry out your own cleaning tests in order to optimise dosage and exposure time.

In practice, the following dosage has given good results:

Dosage	Exposure time
2-5%	10-20 min

For a perfect removal of the particles an increase of the bath temperature at least until the melting-point of waxes and resins is reached is indispensable.

The cleaning in ultrasonic systems generally accelerates the cleaning process and especially the coagulation of residues of waxes and resins. A regular renewal of the bath is essential, this usually should happen once a day, at least.

Information on use

Neutralization
The spent cleaning solution must be neutralized before it is discharged into drains or sewage works. To attain a pH of about 7-8 requires 65 ml of 25% hydrochloric acid or 30 ml of 60% sulphuric acid per kg of deconex OP 190 (concentrate).

Disposal of the detergent solution including removed contamination must be carried out in accordance with the local regulations for wastewater!

Material compatibility

Suitable for:
Glass, precious stones, precious metals, lead crystal, quartz, ceramic, synthetic material, stainless steel, iron

Not suitable for:
Extremely alkaline sensitive high precision optical glasses

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

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Chemical/physical data

pH values	1-5% concentrate	7.8 8.1
Density	concentrate	1.07 g/ml
Appearance	concentrate	clear, light 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.

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