

	Area of application		Spectrum of activity								Material compatibility				Product characteristics		Comments
	Pre-cleaning/ready for inspection	Fine cleaning/ready for coating	Adhesive residue	Polyomers, oligomers (monomers)	Polishing agent	Putty, waxes	Storage residue	Casting moulds	Protective lacquer	Colour markings	Dust, fingerprints	Organic ophthalmic lenses	Mineral ophthalmic lenses	Organic precision optics lenses	Mineral precision optics lenses	Cloud point (CP) with 1% in DI water, guideline value	

**Optical cleaners**

deconex® OP 142	ultrasonic/spray/brush	■	□			●						●	●			no CP	13.0	Can support the effect of deconex® OP 153. Can also be used alone as the first pre-cleaning stage.
deconex® OP 152	ultrasonic/spray/brush	■	□			●	●			●	●	●	●	●		15 °C	12.9	Removes paper bag residue (brush cleaning systems) and polishing residue.
deconex® OP 146	ultrasonic	■	□			●	●			●	●	●	●	●		no CP	12.7	Removes grinding and polishing residue, especially on organic lenses with a high index and on sensitive lenses.
deconex® OP 141	ultrasonic	■	□			●				●	●					no CP	12.6	Removes polishing residue.
deconex® OP 149	ultrasonic	■	□			●	●					●				no CP	12.5	Removes grinding and polishing residue, especially on organic lenses with a high index and on sensitive lenses.
deconex® OP 148	ultrasonic	■	□				●			●	●	●				no CP	12.4	Especially suitable for pre-cleaning.
deconex® OP 153	ultrasonic/spray/brush	■	□	●		●					●	●	●	●		no CP	11.9	For cleaning ready for inspection, removes cerium oxide.
deconex® 12 NS-x	ultrasonic/spray/brush	■	□		●	●		●	●		●	●				no CP	11.8	Removes stubborn dirt caused by grease, oil and inorganic soiling.
deconex® OP 121	ultrasonic	□	■		●	●			●		●	●	●	●		no CP	11.8	Phosphate-containing cleaner for all optical materials.
deconex® OP 164	ultrasonic		■													no CP	7.8	Fine cleaning for sensitive lenses especially suitable for phosphates sensitive lenses.
deconex® OP 165	ultrasonic/spray/brush	□	□				●				●	●	●	●		no CP	6.9	For the manual pre-cleaning of stock ophthalmic lenses and fine cleaning especially for lenses sensitive to alkalis.
deconex® OP 163	ultrasonic	■	■											●		no CP	6.0	Fine cleaning for sensitive lenses, salt-free.

**Optical cleaners for special applications**

deconex® OP 196	ultrasonic				●		●		●	●	●					no CP	11.9	Removes protective lacquer and colour markings; especially suitable for sensitive organic substrates (slightly milder than deconex® OP 191).
deconex® OP 197	ultrasonic				●		●		●	●	●					no CP	11.8	Removes protective lacquer and colour markings.
deconex® OP 190	ultrasonic	■	□	●		●						●	●	●		no CP	8.1	Removes wax and resin residues.
deconex® OP 193	ultrasonic	■			●		●		●	●	●					no CP	7.0	Removes protective lacquer, putty, resins and pitch especially effectively on all types of glass, in particular precision optics lenses; pH-neutral solvent.
deconex® OP 191	ultrasonic/spray/brush	■			●		●				●	●	●	●		no CP	6.7	pH-neutral, solvent-based cleaner. Can be used undiluted or as an addition to an alkaline cleaning bath. For removing colour markings on lens substrates of all kinds.
deconex® OP 171	ultrasonic		■											●		73 °C	3.0	Fine cleaning after alkaline pre-cleaning, for sensitive lenses, buffered for consistent cleaning quality.

- Main purpose of use
- Additional purpose of use
- Excellent
- ⊙ Good



		Spectrum of activity		Material compatibility			Product characteristics	Comments
		Anti-reflection coatings	Hard resin coatings	Organic glass	Mineral glass	Precision optics	pH guideline value, 1% in DI (w/w)	
deconex® de-coat 510	ultrasonic	☉	●	●	☉	☉	12.5	Removes hard resin coatings.
deconex® de-coat 500	ultrasonic	●	☉	●			4.9	Removes anti-reflective coatings, is applied with deconex® de-coat 600.
deconex® de-coat 600	ultrasonic	●		●			1.8	Activator for deconex® de-coat 500.

Find further information on product data sheet and safety data sheet.

●	Excellent
☉	Good

