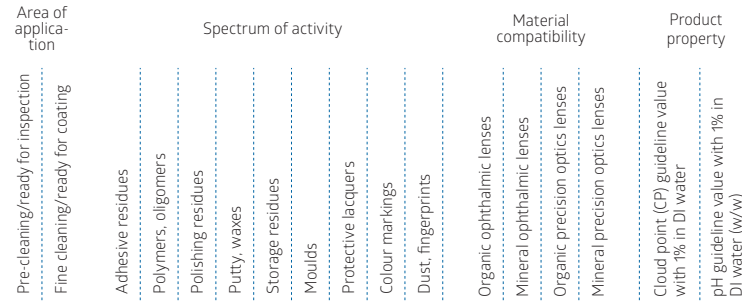


Industry product portfolio

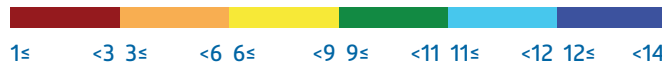
Optics cleaning



Cleaning agents

Product	Application	Pre-cleaning/ready for inspection	Fine cleaning/ready for coating	Adhesive residues	Polymers, oligomers	Polishing residues	Putty, waxes	Storage residues	Moulds	Protective lacquers	Colour markings	Dust, fingerprints	Organic ophthalmic lenses	Mineral ophthalmic lenses	Organic precision optics lenses	Mineral precision optics lenses	Cloud point (CP) guideline value with 1% in DI water	pH guideline value with 1% in DI water (w/w)	Description
deconex® OP 142	Ultrasonics/spray/brush	■			○								○	○			No CP	13.0	Can support the effect of deconex® OP 153 or can be used alone as a first pre-cleaning step.
deconex® OP 152	Ultrasonics/spray/brush	■	□		●	○				●	●	●	●	●	○		15 °C	12.9	Removes polishing residues, colour marks, protective lacquer and paper bag residues.
deconex® OP 146	Ultrasonics	■	□		●	●				○	○	●	●	●	○		No CP	12.7	Removes putties, sanding and polishing residues as well as dust and fingerprints. Especially suitable for organic lenses with a high index and for sensitive lenses.
deconex® OP 141	Ultrasonics	■	□		●	○				○			●	○			No CP	12.6	Removes polishing residues especially on organic ophthalmic lenses.
deconex® OP 149	Ultrasonics	■	□		●	●						●	●	●			No CP	12.5	Removes grinding and polishing residues, especially on organic lenses with a high index.
deconex® OP 148	Ultrasonics	■	□				●			●	●	●	●	●			No CP	12.4	Removes putties, polishing residues as well as dust and fingerprints on organic and mineral ophthalmic lenses.
deconex® OP 153	Ultrasonics/spray/brush	■	□	○	●								●	●	○	○	No CP	11.9	Removes polishing residues and cerium oxide on organic and mineral ophthalmic lenses.
deconex® 12 NS-x	Ultrasonics/spray/brush	■	□		○	●		●	●			●	●	●			No CP	11.8	Removes persistent stains such as polishing pastes, greases, oils and inorganic impurities on organic and mineral ophthalmic lenses.
deconex® OP 121	Ultrasonics	□	■		○	○			●			●	●	●	○	○	No CP	11.8	For the fine cleaning of organic and mineral ophthalmic lenses.
deconex® OP 164	Ultrasonics		■									●	●	●	●		No CP	7.8	For the fine cleaning of phosphate and sensitive lenses.
deconex® OP 165	Ultrasonics/brush	■	□				●					●	●	●	●		No CP	6.9	For the pre-cleaning of stock ophthalmic lenses and the fine cleaning of special alkali-sensitive lenses.
deconex® OP 163	Ultrasonics	□	■									●	●	●	●		51 °C	6.0	For the fine cleaning of all optical materials.

■	Primary application	●	Suitable
□	Additional application	○	Conditionally suitable



Industry product portfolio Optics cleaning

Area of application	Spectrum of activity	Material compatibility	Product property
Pre-cleaning/ready for inspection Fine cleaning/ready for coating	Adhesive residues Polymers, oligomers Polishing residues Putty, waxes Storage residues Moulds Protective lacquers Colour markings Dust, fingerprints	Organic ophthalmic lenses Mineral ophthalmic lenses Organic precision optics lenses Mineral precision optics lenses	Cloud point (CP) guideline value with 1% in DI water pH guideline value with 1% in DI water (w/w)

Cleaning agents for special applications

Product	Application Method	Area of application	Adhesive residues	Polymers, oligomers	Polishing residues	Putty, waxes	Storage residues	Moulds	Protective lacquers	Colour markings	Dust, fingerprints	Material compatibility	Product property	Description	
deconex® OP 197	Ultrasonics	■	●	●		●		●	●	●		●	●	kein TP 12.0	Removes colour markings, putties, adhesive and protective lacquer residues on organic and mineral ophthalmic lenses.
deconex® OP 196	Ultrasonics	■	●	●		●		●	●	●		●	●	kein TP 12.0	Removes colour markings, putties, adhesive and protective lacquer residues on sensitive organic and mineral ophthalmic lenses.
deconex® OP 190	Ultrasonics	■ □	◎		◎	●					●		●	kein TP 7.5	Removes wax and resin residues on mineral ophthalmic lenses and precision optics.
deconex® OP 193	Ultrasonics	■	◎	◎		●		◎	●	●		●	●	kein TP 7.0	Removes protective film residues, protective lacquers, colour markings, putties, resins and pitches on ophthalmic lenses and mineral precision optics lenses. Can be used undiluted or as an addition to an alkaline cleaning bath.
deconex® OP 191	Ultrasonics/spray/brush	■	◎	◎		●		●	●	●		●	●	kein TP 6.7	Removes protective film residues, protective lacquers, colour markings, putties and resins on optical substrates of all types. Can be used undiluted or as an addition to an alkaline cleaning bath.
deconex® OPTHALMICS H	Manual										●	◎	●	kein TP 6.0	Ready-to-use ophthalmic lens cleaner for daily care.
deconex® OP 171	Ultrasonics										●	●	●	73 °C 4.0	Fine cleaner after alkaline pre-cleaning. Removes dust and fingerprints on sensitive optical substrates. The high buffer capacity guarantees consistent cleaning quality.

■ Primary application	● Suitable
□ Additional application	◎ Conditionally suitable



Industry product portfolio Optics decoating

		Area of application		Spectrum of activity				Product property	
		Anti-reflective coatings (AR)	Hard coatings (HC)	Organic glass	Mineral glass	Precision optics	Stainless steel optical frames		
deconex® de-coat 510	Ultrasonics	●	●	●	●	●		12.6	Removes hard coatings.
deconex® de-coat 500	Ultrasonics	●	●	●			●	5.5	Used in combination with deconex® de-coat 600 to remove anti-reflective coatings.
deconex® de-coat 600	Ultrasonics	●		●			●	1.8	Activator for deconex® de-coat 500 to remove anti-reflective coatings on organic optical substrates.

For more information, see the product and safety data sheet.

●	Suitable
◎	Conditionally suitable

