# **OPTISOLV**

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Precision Cleaning Solutions





### Name your contaminant...

benate monomer, grinding dust, finger oils, electrostatic particles... No soil or contaminant is out of the ordinary

## cleaning pro

### Name your deaning application, your

Kizen Optisoly product line consists of solvent and emistries for cleaning monomer from optical molds and mer hash, grinding dust, and fingerprints from optical lenses.

> The superior solvency, rinsability, and low volatile organics (VOC's) make them suitable for a wide range of polycarbonate or glass cleaning processes and applications.

# Whatever process or processes you are running there's a Kyzen Optisoly formulation matched to your procedure: dip ultrasonics, in-line spray-in-air, or spray-under-immersion. And for whatever cleaning application, there's a Kyzen Optisoly formulation for the job: optical molds, optical lenses, flat panel displays, prisms, and specialized glass products.

Most Optisoly lens cleaning products are designed to be diluted with water. The mold cleaning products are generally used at full concentration. The non-silicated non-carbonated nature of these products ensures clean running equipment and no white scale buildup. Optisoly products clean by utilizing a combination of Kyzen alcohol and specialized

ctants, and are produced with the highest cleaning quality dards available.

Like all Kyzen products, the Optisoly product line is backed by our Cleaning Applications & Evaluation Centers in Nashville, TN Manchester, NH. With in-line spray, spray-under-immersion, drasonics, and traditional dip console cleaning machines in our Centers, you can evaluate your complete cleaning process in our facility and select the Kyzen chemistry that is most effective for your cleaning application. The Optisoly product line and Kyzen demonstration facilities are augmented and strengthened by our ability to custom-formulate to your specific needs.

Kyzen's innovative Optisolv, Lonox, Ionox, Aquanox and Metalnox product lines provide solutions for electronics cleaning, metal and precision parts cleaning, and other specialized cleaning applications in a wide range of high

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technology industries. At Kyzen, we think precision cleaning is

about process. Cleaning chemistries, cleaning machines, and water treatment, all coming

together in an integrated solution.

And we think it's about people. Expert technical support working with you to formulate the best possible solution for your cleaning job.

Our reputation and success are based on selling solutions, not chemicals.

Kyzen Corporation. A solution-driven, process company.



REANING AGENTS				
Charles Spalenten	contaminants removed	operating concentration	operating temp range	flash point
Option moliforaduction ha	rdware cleaning	products		
Options OP7020				
	monomer residue from molds & hardware; high index monomer; shop residues, oils	full	150-160 <sup>©</sup> F (high index) 110-120 <sup>©</sup> F (kower index)	none to boiling
- (Garganiza-es)	monomer residue from molds	10-20%	130-170 <sup>0</sup> F	none to boiling
Chipchall (Chipchall process)	monomer from molds and mold hardware	10-30%	140-180°F	none to boiling
Speciment OP7090 Speciment densing (SEAST & CR-EQ)	low to mid-index monomer residue; edge flash from lenses	3-15% (lenses) 15-20% (molds)	120-150 <sup>O</sup> F (lenses) 140-165 <sup>O</sup> F (molds)	none to boiling
<b>Spitual Israelylaus</b> cleaning p	roducts			
Optionals OP7100  UPC parcels only only stating	finger oils, dust & shop particles	5-10%	100-160 <sup>0</sup> F	none to boiling
	finger oils, shop particles & edge grinding particulate	5-10%	100-160 <sup>O</sup> F	none to boiling
Opticity OP7104		S2002897 174 1	1000200	
distring & eaching pulse to ecoring	finger oils, dust & shop particles	5-10% (spray) 3-5% (ultrasonics)	150°F 140-150°F	none to boiling
	fingerprints, edge grinding dust, & airborne particles	5-10%	110-150 <sup>0</sup> F	none to boiling
A TRACE CO	fingerprints, edge grinding dust, & airborne particles	8-12%	110-150°F	none to boiling
527106				,
	fingerprints, excess monomer flash & airborne particles	5-20%	130-160 <sup>0</sup> F	none to boiling



Our expert technical support staff will validate and implement a solution for your cleaning problem. And they'll help you accelerate the implementation cycle by testing and getting things right in our Applications Center, before reaching your facility and your machinery.

#### CLEANING SOLUTIONS

Optical mold/production hardware cleaning products

#### Optisoly OP7020

Very aggressive, high pH, mold cleaner designed to clean "high refractive index" monomer from molds and mold hardware. OP7020 can be used in either spray or dip type cleaning equipment. Due to its highly alkaline nature, normal safe-handling precautions must be taken when using OP7020.

#### Optisoly OP703 I

In-line spray wash formula designed to clean "low to midindex" monomers such as CR-39, CR-307 and CR-424. Superior cleaning and rinsing allow for thorough cleaning and maximum throughput in a fast-paced production environment.

#### Optisoly OP7040

Similar characteristics as OP7031 for dip tank/batch applications. Designed to clean "low to mid-index" monomers.

#### **Optisoly OP7090**

OP7090 is a unique dual-use formulation designed to clean CR-307 & CR-424 monomer from molds, and also to clean lenses manufactured of the same material without damaging the substrate. OP7090 is used in spray applications to clean excess monomer from molds, and can be used to clean monomer flash from the edges of lenses without attacking the lens. Ideal product for customers desiring a single product to clean molds, mold flash on lenses, and general purpose lens cleaning.



#### Optisoly OP7100

A very mild, neutral pH, cleaner designed to clean with out damaging UPC Bar Code information screen printed on optical lenses. A light duty cleaner capable of removing light oils and process residues in spray wash applications.

#### Optisoly OP7101

Higher pH version of OP7100. OP7101 is a more aggressive cleaner than OP7100 while still being safe on UPC Bar Code information. OP7101 is used in spray applications and can clean fingerprints and airborne contaminates from lenses.

#### Optisolv OP7104

A slightly acidic spray wash formula designed to clean and prepare lenses for coating in an in-line cleaning environment. Light duty cleaner for contaminant removal and mild etchant for surface preparation prior to lens hard coating. Also effective in dip tank ultrasonics applications.

#### Optisoly OP7150

General purpose in-line spray wash formula. OP7150 is an excellent product for cleaning fingerprints, edge grinding dust and airborne contaminates from lenses. Superior rinsing assures no ionic residue which may cause problems with coating adhesion. OP7150 is compatible with in-line spray-in-air, spray-underimmersion, and spray/scrubbing brush equipment.

#### Optisoly OP7160

Light to medium-duty dip tank lens cleaning formula. OP7160 works well with ultrasonic dip, straight dip with no sonics, and as a pre-soak prior to cleaning. Neutral pH provides excellent cleaning with no degradation to lens surface.

#### Optisolv OP7 I 66

More aggressive, higher pH dip tank cleaner designed to handle tough cleaning jobs. OP7166 is particularly effective for cleaning lenses prior to coating process steps.

