



BPI® Heat Transfer Fluids.

Proven to be the best heating mediums

The specially formulated heat transfer fluids developed by BPI® have been proven to be the best heating mediums available. They heat quickly and evenly, maintain the high temperatures needed for your tints, and are non-toxic. They help preserve the interior of your base tank and protect your heating element as their evaporation factor is almost nil. It is unwise to make any substitutions, which may corrode, evaporate quickly, or release toxic vapors.

In recent advertisements, some manufacturers are claiming that using water as a heat transfer medium is the best way to heat tints in a tinting system.

This is not so, and needs to be addressed so that proper lens coloring can be achieved, and proper health and safety can be maintained in the optical laboratory.

To be effective, the heat transfer fluid temperature should be higher than the tint solution inside the tint tank. Tests conducted at BPI® have shown that as the tint solution nears boiling, the temperature differential between the heating fluid and the tint tank should be optimized at near 40°F. (To maintain a 205°F tint tank). This differential requires the heat transfer solution to be maintained at about 245°F. This temperature differential cannot be achieved using water open to atmospheric pressure as a heat transfer medium. The maximum temperature of water at boil is 212°F (100°C), thus making it difficult to achieve the proper tint tank temperature to assure proper color, fade resistance, and color stability.

BPI® Heat transfer fluid pump

The easiest way to remove used HTF from your system. A good check of heat transfer fluid may be made by dipping a teaspoon into it to see if you can see the bottom of the spoon. If the fluid is opaque or turbid, it should be changed.

BPI# 61801



SYSTEM HTF LEVELS MUST BE CHECKED MONTHLY

BPI® HTF-90™	BPI® GL77™
BPI# 70300 Quart (946 ml)	BPI# 70302 Quart (946 ml)
BPI# 65900 Gallon (3.79L)	BPI# 65901 Gallon (3.79L)

BPI® LENS TINTING INSTRUMENTS HTF CAPACITY			
Mini Tank 4™	1.33 qts (1.26 L)	Super Color II™	9 qts (8.52 L)
Mini Tank 6™	2.33 qts (2.20 L)	Super Color 9™	9 qts (8.52 L)
Mini Tank 8™	4 qts (3.79 L)	Twin 8™	8 qts (7.57 L)
Solar Color 2™	2.33 qts (2.20 L)	Twin 12™	10 qts (9.46 L)
Solar Color 4™	3 qts (2.84 L)	Lab Master™	8 qts (7.57 L)
Solar Color 4L™	4 qts (3.79 L)	Master Color™	10 qts (9.46 L)
Solar Color 6™	5 qts (4.73 L)	Mini-Master™	12 qts (11.35 L)
Super Color I™	7 qts (6.62 L)	Color Lab I™	7.5 qts (7.19 L)



BPI® Lens Prep II™

Conditions lenses before tinting

BPI® Lens Prep II™ conditions plastic lenses with a special ionizing agent that leaves a positive charge on lens surfaces. This enables the lenses to quickly and evenly absorb negatively charged BPI® Molecular Catalytic™ tints. BPI® Lens Prep II™ dissolves oil and grease. Can be used cold, but works best when heated in your lens tinting instrument. BPI® Lens Prep II™ is available in quarts or gallon.

BPI® Lens Prep II™ is an important ingredient of the Molecular Catalytic™ tinting systems. It ionizes the lens positively with a special coating that allows it to exhibit a charged interface opposite to that of the dye. This potential difference attracts the dye ions to the lens surface for fast color absorption. BPI® Lens Prep II™ is a concentrate and should be diluted approximately one ounce to 32 ounces (25.5 ml to 946 ml) of water. Be sure not to use too much, or else streaking will occur because of the unevenness of the positive charge on the lens. It should be changed every 3-4 days, depending on use. Do not rinse or wipe lens after using BPI® Lens Prep II™; to do so will negate its effectiveness.

BPI® PolyPrep™

For the preparation of uncoated polycarbonate lenses. Diluted with water, BPI® PolyPrep™ is a primary bath that prepares polycarbonate lenses for uniform tinting.

BPI® Lens Prep II™	BPI® PolyPrep™
BPI# 70200 Quart (946 ml)	BPI# 41310 Quart (946 ml)
BPI# 72400 Gallon (3.79L)	BPI# 41300 Gallon (3.79L)



BPI® Activator™

Conditions hard-coated lenses before tinting

BPI® Activator™ conditions hard coated lenses (polycarbonate, high index and hard coated CR-39® to receive tint quicker and more evenly.

BPI® Activator™	
BPI# 99999	Quart (946 ml)

BPI® Energizers

Speeds up tinting

BPI® Polycarbonate Energizer for use with BPI® (2 part) Polycarbonate tints. BPI® Acrylic Energizer speeds up the tinting of uncoated acrylic lenses.

Polycarbonate Energizer™	Acrylic Energizer™
BPI# 41100 16 oz (473 ml)	BPI# 41101 16 oz (473 ml)



BPI® Neutralizers™

The fastest and longest lasting!

BPI® Neutralizer II™ removes color from lenses made from CR-39™ monomer. It has a self-cleaning formula that lasts longer in your tank than any other neutralizer. BPI® Neutralizer II™ works on most tints in an approved lens tinting system. A quart neutralizes hundreds of lenses. BPI® Neutralizer II™ is also available in quart or gallon sizes. It is not recommended for hard coated lenses.



The life of BPI® Neutralizer II™ is dependent upon how long it has been in the tank and how much work has been done. The action of BPI® Neutralizer II™ is to bleach some pigments and to take others out of the lens and into the neutralizing solution. Ultimately, the neutralizer solution becomes colored and slower in action. Provided the neutralizer solution remains clear, top off with fresh BPI® Neutralizer II™. If the coloring is significant, BPI® Neutralizer II™ can be left at operating temperature for a day without use and it should self-clean. If it fails to clean, throw it away and start with fresh undiluted BPI® Neutralizer II™. Rotation of the BPI® Neutralizer II™ with other tanks will keep the tanks cleaner and make tints last longer and more reliable. Thoroughly remove all traces of the neutralizer before using that tank for tints.

BPI® PolyClear™

A milder neutralizer for use with all types of lenses, both coated and uncoated. It will not soften or fog hard coatings. BPI® PolyClear™ is virtually odorless.

BPI® H2O Neutralizer™

A water-based, lab safe neutralizer that removes dye from lenses made from CR-39™ monomer without any color shifting. BPI® H2O Neutralizer™ is super concentrated to save on shipping costs. Recommended for hard coated polycarbonate lenses.

BPI® Acrylic Neutralizer™

Removes color from uncoated acrylic lenses.

BPI® Neutralizer II™	BPI® PolyClear™	BPI® H2O Neutralizer™	BPI® Acrylic Neutralizer™
BPI# 70100 Quart (946 ml)	BPI# 41210 Quart (946 ml)	BPI# 70102 4 oz (118 ml)	BPI# 41500 Quart (946 ml)
BPI# 72100 Gallon (3.79L)	BPI# 41200 Gallon (3.79L)	BPI# 70101 8 oz (236 ml)	
Uncoated CR-39®	Uncoated polycarbonate & coated CR-39®	Coated polycarbonate & CR-39®	Uncoated acrylic