

## Comparison of a Modern Cleaning Fluid versus Isopropyl Alcohol for Cleaning Fiber Optics

Characteristic	Sticklers™ Cleaning Fluid	IPA Isopropyl Alcohol
<b>CHEMICAL CHARACTERISTICS</b>		
<b>Flammability (Flash Point)</b>	Nonflammable, no flash point	Highly flammable flash point: 11°C/54°F
<b>VOC Content</b>	30% VOC	100% VOC
<b>Drying Rate</b>	At least 20% faster drying than IPA	Slow-drying
<b>Residues</b>	Leaves No Residue, Evaporates Completely; 100% Volatile	Leaves residue; "water marks"
<b>Hygroscopic</b>	Mildly hygroscopic; will absorb small amounts of water to speed drying and dissolve light water-based oils	Infinately hygroscopic; will absorb large amounts of water from the air along with contaminants/minerals dissolved in the water
<b>Density</b>	High specific gravity floats particulate from fiber and ferrule surface	Relatively low specific gravity. Heavy particles not dislodged
<b>CLEANING CHARACTERISTICS</b>		
<b>Ability to Clean Glass/Ceramics</b>	Excellent	Fair
<b>Ability to Remove Oils</b>	Good	Fair
<b>Ability to Remove Water-Based Oils</b>	Good	Fair
<b>Static-Dissipative</b>	Good	Good
<b>Cured Epoxy/glues Compatibility</b>	Excellent	Excellent
<b>Plastics Compatibility</b>	Excellent	Excellent
<b>Metals Compatibility</b>	Excellent	Excellent
<b>PACKAGING, SHIPPING AND HANDLING</b>		
<b>Purity</b>	Double filtered to 0.2 microns; hermetically sealed Triton™ dispenser assures consistent purity with each use	Purity varies by grade, water content and storage conditions. Unsealed container often results in contaminated fluid. Purity decreases immediately when exposed to air due to its highly hydroscopic property
<b>Shelf Life</b>	Unlimited	12 months or less
<b>Metered Dose Dispensing</b>	Exactly 70 Mcl per dose delivers 400 cleaning events per can	Not Available
<b>Spill-Proof Dispenser</b>	Yes. Patented Triton™ Dispenser eliminates spills, unauthorized refilling, cross- contamination	Not Available
<b>Shipping Classification (Ground)</b>	Non-Hazardous, Non-Regulated	Regulated: Flammable Liquid
<b>Shipping Classification (Air)</b>	Non-Hazardous, Non-Regulated	Regulated: Flammable Liquid