

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2006
 DateRun: 01/19/2006
 Experimenters: Jason Marshall
 ClientType: Coatings Manufacturer
 ProjectNumber: Project #1
 Substrates: Ceramics, Glass/Quartz
 PartType: Coupon
 Contaminants: Waxes, Oil
 Cleaning Methods: Immersion/Soak
 Analytical Methods:

Purpose: To generate a list of products that could be used for the precision cleaning aspect of the process.

Experimental Procedure: Using the laboratory's database for solvent cleaning substitution, the lab generated a list of products that have been used to clean oil or wax from glass or ceramic surface. This list contains products that would be used in Step 2 Precision Cleaning. Products should be easy to rinse, have better drying - no water spots and would be non-silicated.

Results: Step 2 Precision Cleaning

Easy to rinse			
Better Drying - no water spots			
Chemistry for final wash			
Non-silicate			
Company Name	Product Name	Notes	Classification
Kyzen Corporation	Ionox FCR (or other Kyzen product)	Simple and easy rinsing	Alcohol
Dynamold Solvents Inc	DS 108	Free rinsing	Petroleum Distillate
Alconox Inc	Alcojet	Free rinsing without interfering residues	Alkaline
Innovative Organics Inc	Amberclean 527 L	without leaving film or residue	Alkaline
Solvent Kleene Inc	D Greeze 500 LO	Recycle - distillation, eliminates need for rinsing	Hydrocarbon
International Products	Micro 90		

Summary:

Substrates:	Ceramics, Glass/Quartz				
Contaminants:	Waxes, Oil				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
No Specific Vendor	Supplied alternatives list			<input type="checkbox"/>	

Conclusion: Cleaning varies from case to case. The SSL recommends process specific testing on potential replacement cleaning chemicals. If more information is needed on a particular product, or you are interested in conducting cleaning trials, please contact the lab at (978)934-3133.