CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2006

DateRun: 01/18/2006

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 alternatives that could be used for the first step in cleaning of bulk materials.

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 1 of the proposed cleaning process to removal gross oil & paraffin removal. Products should be non-emulsifying and recyclable.

Results: Step 1 Products for Gross Oil & Paraffin Removal

non-emuslifying			
recyclable			
substitute for Orange Tuf 40			
Company Name	Product Name	Notes	Classification
Bio Chem Systems	Bio T Max (or Bio T 200 A or 300 B)	Recycle via filtration - 10 micron cotton	Terpene
Kyzen Corporation	Ionox FCR (or other Kyzen product)	Simple and easy rinsing	Alcohol
Oakite Products	Inproclean 3800	Recyclable	Alkaline
Solvent Kleene Inc	D Greeze 500 LO	Recycle - distillation	Hydrocarbon
Brulin Corporation	Formula 815 GD		Alkaline
Florida Chemical Company	D-Limonene (or Citrus Burst 7)	Dissolving mechanism	Terpene
Dynamold Solvents Inc	DS 108	Free rinsing	Petroleum Distillate
International Products	Micro 90		Alkaline
Magnaflux	Daraclean 282		Alkaline

Summary:

Substrates:	Ceramics, Glass/Quartz				
Contaminants:	Waxes, Oil				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
No Specific Vendor	Supplied alternatives list		0.00	☑	

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.

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