CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 03/09/2003

Experimenters: Jason Marshall

ClientType: Metal

ProjectNumber: Project #1

Substrates: Glass/Quartz, Other

PartType: Coupon

Contaminants: Dirt

Cleaning Methods: Ultrasonics

Analytical Methods:

Purpose: To generate a list of products that have been evaluated successfully in the lab under similar conditions

Experimental Procedure: Using the supplied information from the Database Search form, two lists of products were created. The first list contains products that have been used in the lab for glass cleaning. The contaminants and equipment may not match the supplied information. The second list contains products recommended by vendors. The products match the specified information from the search form.

Results: Table lists laboratory tested products based on glass substrates.

Table 1. Manual Cleaning of Glass for various soils

Soil: Dirt		
Substrate: Glass		
Equipment: Manual or Ultrasonics		
Value	CompanyName	ProductName
48	Innovative Organics Inc	Amberclean L 12
47	Chemtronics	Super Bio Wash
47	ITW Fluid Products Group	AccuClean
46	Rochester Midland	EnviroCare Washroom Cleaner
45	Church & Dwight	Armaklean M Aero
45	Church & Dwight	Armakleen M Auto
45	Rochester Midland	Glass Cleaner
45	Rochester Midland	Tough Job
41	CRC Industries	HydroForce Butyl Free All Purpose
41	Permatex Industrial Corporation	Natural Blue
39	Abatement Technology	Bio Might 100
39	Vertec BioSolvents	VertecBio Gold 2
38	Cleaning Systems	Release
37	SWR Corporation	SWR One
36	Tech Spray	Concentrated Aqueous Defluxer
34	Bio Chem Systems	Bio T Foam Plus

Additional Data

Company	Product	Classification	Contaminant	Contaminant	Equipment	Substrate	Efficiency
AG Environmental Products	Canola Gold CE110	Ester	Waxes	Wax - Roger Reed 98033 Wax, Hydrocarbon waxes	Manual Wipe	Glass	
Bio Chem Systems	Bio T 200 A	Terpene	Waxes	Wax - Roger Reed 98033 Wax,	Manual Wipe	Glass	

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				Hydrocarbon waxes			
Cleanline Products	Super H2O2 Citrus Concentrate	Semi-Aqueous	Soaps	Soaps - SSL Soil 2 Glass (Colgate Regular shaving cream 5.3%, Arid Extra Extra Spray Deodorant 3.5%, Suave Naturals Flexible Hold hair spray 3.7%, Aleeda Texurizing hair gel 25.6% Colgate Total toothpaste 10.4%, Water 51.5%)	Manual Wipe	Glass	99.17
Cogent Environmental Solutions	Ecogent General All Purpose Cleaner	Acidic Aqueous	Soaps	Soaps - SSL Soil 2 Glass (Colgate Regular shaving cream 5.3%, Arid Extra Extra Spray Deodorant 3.5%, Suave Naturals Flexible Hold hair spray 3.7%, Aleeda Texurizing hair gel 25.6% Colgate Total toothpaste 10.4%, Water 51.5%)	Manual Wipe	Glass	98.6
Dynamold Solvents Inc	DS 108	Petroleum Distillate	Waxes	Wax - Roger Reed 98033 Wax, Hydrocarbon waxes	Manual Wipe	Glass	
Ecolab	Oasis Glass Cleaner	Acidic Aqueous	Soaps	Soap - Shampoo, body lotion, bar soaps, hair spray, tooth paste, shaving cream	Manual Wipe	Glass	
EnvirOx LLC	H2Orange2	Terpene-Semi-Aqueous	Soaps	Soaps - SSL Soil 2 Glass (Colgate Regular shaving cream 5.3%, Arid Extra Extra Spray Deodorant 3.5%, Suave Naturals	Manual Wipe	Glass	95.47

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				Flexible Hold hair spray 3.7%, Aleeda Texurizing hair gel 25.6% Colgate Total toothpaste 10.4%, Water 51.5%)			
Florida Chemical Company	Citrus Burst 7	Terpene	Waxes	Wax - Roger Reed 98033 Wax, Hydrocarbon waxes	Manual Wipe	Glass	
National Diagnostic	Opti Clear	Terpene	Waxes	Wax - Roger Reed 98033 Wax, Hydrocarbon waxes	Manual Wipe	Glass	
Ramsey	Free Fall	Semi-Aqueous	Soaps	Soaps - SSL Soil 2 Glass (Colgate Regular shaving cream 5.3%, Arid Extra Extra Spray Deodorant 3.5%, Suave Naturals Flexible Hold hair spray 3.7%, Aleeda Texurizing hair gel 25.6% Colgate Total toothpaste 10.4%, Water 51.5%)	Manual Wipe	Glass	101.39
The Clean Environment Co	Glass and Hard Surface Cleaner	Alcohol-Semi Aqueous	Soaps	Soaps - SSL Soil 2 Glass (Colgate Regular shaving cream 5.3%, Arid Extra Extra Spray Deodorant 3.5%, Suave Naturals Flexible Hold hair spray 3.7%, Aleeda Texurizing hair gel 25.6% Colgate Total toothpaste 10.4%, Water 51.5%)	Manual Wipe	Glass	98.04

Summary:

Conclusion:

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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, please contact the lab at (978)934-3133.