CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 04/07/2002

Experimenters: Jason Marshall

ClientType: Metal

ProjectNumber: Project #1

Substrates: Other

PartType: Coupon

Contaminants: Mold Releases

Cleaning Methods:

Analytical Methods:

Purpose: To identify possible cleaners for silicone cleaning from molds

Experimental Procedure: Using the laboratory database of past testing and vendor supplied information, two lists were generated based on the specific client information. Vendor Recommended Products for Silicone Removal

Results: Effectively Evaluated Products for Silicone Cleaning at SSL

CompanyName	ProductName	Classification	Efficiency
Armex	Sodium Bicarbonate	Blasting	
Brulin Corporation	Compliance	Caustic	98.7
Buckeye International	Shopmaster	Alkaline Aqueous	89.9
Buckeye International	Shopmaster LPH	Alkaline Aqueous	
By*Pas & Star Cleaning Products	Star Cleaning Miracle # 50	Alkaline Aqueous	96.6
MacDermid	ND LF Supreme	Alkaline Aqueous	
Simple Green	Simple GreenD	Alkaline Aqueous	98.5
Sky Products Co., Inc.	Cleaner #10	Alkaline Aqueous	85.9
Today & Beyond	Beyond-2006	Alkaline Aqueous	98.08
W.R. Grace & Co.	Daraclean 283	Alkaline Aqueous	97.8

CompanyName	ProductName	Classification
AG Environmental Products	Soy Gold 1000	Organic
AG Environmental Products	Soy Gold 2000	Organic
AJ Associates	Dynadet	Alkaline Aqueous
AJ Associates	Dynadet	Caustic
AJ Associates	Gardoclean A5502	Alkaline Aqueous
AJ Associates	Gardoclean A5503	Alkaline Aqueous
Albemarle Corp	Abzol Cleaners	Organic
Alconox, Inc.	Alconox	Powder Detergent
Applied Surface Technologies	CO2 Snow Jet	Powder Detergent
Armex	Sodium Bicarbonate	Blasting

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AW Chesterton	278 Super Solv	Petroleum Distillate
Bio Chem Systems	Bio T 200 A	Terpene
Bio Chem Systems	Bio T Max	Semi-Aqueous
Bio Chem Systems	Bio T Max	Terpene
Bio Chem Systems	Green Stuff (6325)	Alkaline Aqueous
Bio Chem Systems	Neutral Green (8020)	Alkaline Aqueous
Bio Chem Systems	SOLSAFE 245	Petroleum Distillate
Blue Wave Ultrasonics, Inc.	25 I Detergent Concentrate	Neutral Aqueous
Blue Wave Ultrasonics, Inc.	Dirl-Lum 603 Powdered Detergent	Alkaline Aqueous
Blue Wave Ultrasonics, Inc.	Dirl-Lum 603 Powdered Detergent	Powder Detergent
Blue Wave Ultrasonics, Inc.	Dirl-Strip 606 Powdered Detergent	Caustic
Blue Wave Ultrasonics, Inc.	Dirl-Strip 606 Powdered Detergent	Powder Detergent
Bo Chem Co	T 110	Alkaline Aqueous
Broco Products Inc.	Broco OC-HDD	Powder Detergent
Brulin Corporation	EXP 1400	Alkaline Aqueous
Buckeye International	Shopmaster	Alkaline Aqueous
Buckeye International	Shopmaster FF	Alkaline Aqueous
Buckeye International	Shopmaster LPH	Alkaline Aqueous
Calgon Corporation	SMS 206 K	Alkaline Aqueous
Calgon Corporation	SMS 9706	Alkaline Aqueous
Chrisal USA, Inc.	Super CMF 240	Alkaline Aqueous
Dynamold Solvents, Inc.	DS-104	Petroleum Distillate
Dynamold Solvents, Inc.	DS-108	Petroleum Distillate
Dynamold Solvents, Inc.	DS-801	Alkaline Aqueous
Ecolink	Pinnacle	Neutral Aqueous
EMKAY Chemical Co	Safety Wash	Alkaline Aqueous
EMKAY Chemical Co	Safety Wash Clear	Alkaline Aqueous
EMKAY Chemical Co	Safety Wash CRC	Alkaline Aqueous
Florida Chemical Co	D-Limonene	Terpene
Gemtek Products	SC Supersolve	Organic
Hotsy Cleaning Systems	Hotsy Detergents Tub	Alkaline Aqueous

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	& Pressure Wash	
Kyzen Corporation	Optisolv 7152	Alkaline Aqueous
Oakite Products	Inproclean 4000 T	Organic
Oakite Products	Inproclean 4000 T	Terpene
Purac America, Inc.	Purasolv Els	Organic
Safe Science	Safe Science Concrete/ Graffiti (Industrial)	Alkaline Aqueous
Savogran	Dirtex Prepaint Cleaner	Alkaline Aqueous
Savogran	HD-34 Cleaner Degreaser	Semi-Aqueous
Savogran	Safety-Solve	Organic
Simple Green	All Purpose Cleaner/ Degreaser	Alkaline Aqueous
Simple Green	Crystal Simple Green Industrial Cleaner	Alkaline Aqueous
Simple Green	Hand Cleaner Gel	Terpene
Simple Green	Simple GreenD	Alkaline Aqueous
Solvent Kleene, Inc.	D-Greeze 1000	Petroleum Distillate
Solvent Kleene, Inc.	D-Greeze 500 LO	Organic
System One Technologies	QSOL-100	Petroleum Distillate
System One Technologies	QSOL-110	Petroleum Distillate
System One Technologies	QSOL-200	Organic
System One Technologies	QSOL-220	Organic
Tarksol, Inc.	Tarksol Biosoy 60	Alcohol
Tarksol, Inc.	Tarksol Biosoy 60	Organic
Tarksol, Inc.	Tarksol HTF-40	Alcohol
Tarksol, Inc.	Tarksol HTF-40	Neutral Aqueous
Tarksol, Inc.	Tarksol HTF-40	Organic
Tarksol, Inc.	Tarksol NPB	Organic
Today & Beyond	Beyond-2001	Alkaline Aqueous
Today & Beyond	Beyond-2002	Alkaline Aqueous
Today & Beyond	Beyond-2003	Alkaline Aqueous
Today & Beyond	Beyond-2004	Alkaline Aqueous
Today & Beyond	Beyond-2005	Alkaline Aqueous
Today & Beyond	Beyond-2006	Alkaline Aqueous
U.S. Polychem Corp.	Hydropurge 36	Alkaline Aqueous

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U.S. Polychem Corp.	Polychem 2000 P	Alkaline Aqueous
U.S. Polychem Corp.	Polychem A 2000 XS	Alkaline Aqueous
U.S. Polychem Corp.	Polychem Acra Strip 600	Semi-Aqueous
U.S. Polychem Corp.	Polychem Aquaspat Ti	Neutral Aqueous
U.S. Polychem Corp.	Polychem DE-144	Petroleum Distillate
U.S. Polychem Corp.	Polychem DEOX 007	Alkaline Aqueous
U.S. Polychem Corp.	Polychem Hydropurge 21	Alkaline Aqueous
U.S. Polychem Corp.	Polychem Hydropurge 36 XS	Alkaline Aqueous
U.S. Polychem Corp.	Polychem Hydropurge XS-790	Alkaline Aqueous
U.S. Polychem Corp.	Polychem PW-147	Alkaline Aqueous
U.S. Polychem Corp.	Polychem QS-85 LO	Petroleum Distillate
U.S. Polychem Corp.	Polychem QS-85 LO	Terpene
U.S. Polychem Corp.	Polychem RCC-25	Petroleum Distillate
U.S. Polychem Corp.	Polychem RCC-25	Terpene
U.S. Polychem Corp.	Polychem Ultra-CR	Alkaline Aqueous
U.S. Polychem Corp.	Polyspray Jet 790 C	Caustic
U.S. Polychem Corp.	Polyspray Jet 790 P	Alkaline Aqueous
U.S. Polychem Corp.	Polyspray Jet 790 XS	Alkaline Aqueous
U.S. Polychem Corp.	Polyspray Jet ST-21	Alkaline Aqueous
Valtech Corporation	Valtron SP 2200	Alkaline Aqueous
Valtech Corporation	Valtron SP 2201	Alkaline Aqueous
Valtech Corporation	Valtron SP 2250-2LF	Alkaline Aqueous
Valtech Corporation	Valtron SP 2270	Alkaline Aqueous
Valtech Corporation	Valtron SP 2610	Neutral Aqueous
W.R. Grace & Co.	Daraclean 200	Alkaline Aqueous
W.R. Grace & Co.	Daraclean 203	Caustic
W.R. Grace & Co.	Daraclean 212	Neutral Aqueous
W.R. Grace & Co.	Daraclean 235	Neutral Aqueous
W.R. Grace & Co.	Daraclean 236	Neutral Aqueous
W.R. Grace & Co.	Daraclean 238	Alkaline Aqueous
W.R. Grace & Co.	Daraclean 257	Alkaline Aqueous
W.R. Grace & Co.	Daraclean 282	Alkaline Aqueous

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W.R. Grace & Co.	Daraclean 282 GF	Alkaline Aqueous
W.R. Grace & Co.	Daraclean 283	Alkaline Aqueous

Summary:

Conclusion: Cleaning projects vary from case-to-case. To obtain more detailed information about any of the products listed, contact the lab at (978)934-3133 or through email.