CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 09/30/2002

Experimenters: Jason Marshall

ClientType: Consultant

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Part

Contaminants: Greases

Cleaning Methods: Manual Wipe

Analytical Methods:

Purpose: To identify possible alternatives to 141B

Experimental Procedure: Using the laboratory's database, a list of products was generated for successful grease removal.

Results:

Company Name	Product Name	Classification Description
Abatement Technology	Bio Might 100	Alkaline Aqueous
Alconox, Inc.	Alcojet Powder	Detergent-Alkaline
Alconox, Inc.	Detergent 8	Alkaline Aqueous
Ardrox	6333	Caustic
Armex	Sodium Bicarbonate Blasting	Solid
AW Chesterton	278 Super Solv	Petroleum Distillate
Bio Chem Systems	Bio T 200 A	Terpene
Bio Chem Systems	Bio T 300 B	Terpene-Semi-Aqueous
Bio Chem Systems	Bio T Parts Washer NR	Terpene
Bio Chem Systems	Bio T V-50	Terpene
Bio Chem Systems	Green Stuff (6325)	Alkaline Aqueous
Bio Chem Systems	SOLSAFE 245	Petroleum Distillate
Brulin Corporation	EXP 1400	Alkaline Aqueous
Brulin Corporation	Formula 815 GD	Alkaline Aqueous
Buckeye International	Shopmaster	Alkaline Aqueous
Buckeye International	Shopmaster	RC Ester
Calgon Corporation	Geo Guard 2215	Alkaline Aqueous
Calgon Corporation	Geo Guard 4017	Alkaline Aqueous
Calgon Corporation	RT 806	Alkaline Aqueous
Chem Free Corp	Ozzy Juice SW 1	Enzymatic/ Microbial
Chem Free Corp	Ozzy Juice SW 3	Enzymatic/ Microbial

CLEANING LABORATORY EVALUATION SUMMARY

Chem Tech Solutions	Westech CT 1550	Terpene
Chemical Technologies	Green Thunder	Alkaline Aqueous
Chemstation	Green Stuff Neutral	Neutral Aqueous
Chemtronics	Super Bio Wash	Semi-Aqueous
Church & Dwight	Armaklean E 2001	Alkaline Aqueous
EnviroSan Products	Solution 2000	Alkaline Aqueous
CRC Industries	Complex Blue	Semi-Aqueous
Diversey	Dusqueeze	Semi-Aqueous
Diversey	Gangbusters	Organic
Diversey	Twist	Terpene
Dow Chemical Company	XUS 40579 Development Solvent	Alcohol
Drummond American	Clout	Semi-Aqueous
Drummond American	Keynote	Neutral Aqueous
Dynamold Solvents, Inc.	DS-104	Petroleum Distillate
Dynamold Solvents, Inc.	DS-108	Petroleum Distillate
Ecolink Heavy Weight	Non Butyl Detergent	Alkaline Aqueous
Ecolink	Positron	Organic
Ecolink	Universal Steam Cleaner	Alkaline Aqueous
Ecolink	Vortex	Semi-Aqueous
EMKAY Chemical Co	Safety Wash	Alkaline Aqueous
EMKAY Chemical Co	Safety Wash Clear	Alkaline Aqueous
EMKAY Chemical Co	Safety Wash CRC	Alkaline Aqueous
Ensolve Biosystems, Inc.	Grease Feast Plus	Enzymatic/ Microbial
Environmental Services	TASC	Alkaline Aqueous
Environmental Technology	RB Degreaser Cleaner	Alkaline Aqueous
Equinox	Natural Solutions	Terpene
Fine Organic Corporation	FO 2085 M	Alkaline Aqueous
Finger Lakes Chemicals	1/1/02	Terpene
Finger Lakes Chemicals	Resineater	Terpene
Finish Line Technologies Inc	Bio Degradable Degreaser	Semi-Aqueous
Gemtek Products	ODOR-EX	Alkaline Aqueous
Gemtek Products	SC 1000	Alkaline Aqueous

CLEANING LABORATORY EVALUATION SUMMARY

Gemtek Products	SC Aircraft & Metal Cleaner	Alkaline Aqueous
General Chemical Corporation	Aluminex 5834	Alkaline Aqueous
Heatbath Corporation	Alu-Kleen 36	Acidic Aqueous
Heatbath Corporation	Multi-Kleen 1568	Alkaline Aqueous
Heatbath Corporation	Multi-Kleen LX 1573	Alkaline Aqueous
Heatbath Corporation	Power Wash Cleaner BCR	Alkaline Aqueous
Heatbath Corporation	Uni Kleen 10	Powder Detergent
Hubbard Hall Inc	Aquasonic 201	Alkaline Aqueous
Hurri Kleen	Hot Immersion Degreaser	Alkaline Aqueous
Hurri Kleen	Parts Washer Degreaser	Alkaline Aqueous
Inland Technologies Inc	Citrasafe	Terpene
Inland Technologies Inc	Teksol	Terpene
Innovative Organics Inc	Amber Clean SC 11	Neutral Aqueous
Innovative Organics Inc	Amberclean L 12	Alkaline Aqueous
International Bio System	Bio Z	Acidic Aqueous
International Products Corp	LF 2100	Alkaline Aqueous
International Products Corp	Micro 90	Alkaline Aqueous
International Products Corp	Surface Cleanse 930	Neutral Aqueous
ITW Fluid Products Group	Accu-Clean	Alkaline Aqueous
JDI, Inc.	Mirachem 500 RTU	Alkaline Aqueous
Kleer Flo Company	Grease Off 2	Alkaline Aqueous
Kyzen Corporation	Ionox FCR	Semi-Aqueous
Kyzen Corporation	Ionox HC 2	Alcohol
MacDermid	ND 17	Alkaline Aqueous
MacDermid	ND LF Supreme	Alkaline Aqueous
Magnaflux	Daraclean 121	Alkaline Aqueous
Magnaflux	Daraclean 212	Neutral Aqueous
Magnaflux	Daraclean 282 GF	Alkaline Aqueous
Magnum Research	Aluminum Aerowash	Alkaline Aqueous
Man Gill Chemical	Gillite 0650 Cl	Alkaline Aqueous
Man Gill Chemical	Gillite 1156	Powder Detergent

CLEANING LABORATORY EVALUATION SUMMARY

Man Gill Chemical	Gillite 160 X	Alkaline Aqueous
Matchless Metal Polish Company	MC 132	Alkaline Aqueous
Mirachem Corporation	Mirachem 500	Alkaline Aqueous
New Pig Corporation	New Pig Degreaser	Terpene-Semi-Aqueous
North Atlantic Bio Industries	NAB 9000	Neutral Aqueous
Novamax Technologies Inc	Spectrum APC	Alkaline Aqueous
Oakite Products	Fisan Versaclean	Alkaline Aqueous
Oakite Products	Inproclean 3800	Alkaline Aqueous
Oakite Products	Inproclean 4000 T	Terpene-Organic
Oakite Products	Oakite 77	Powder Detergent
Oakite Products	Oakite Low Heat Cleaner 1	Powder Detergent
Pentone Corporation	Citrikleen XPC	Terpene-Semi-Aqueous
Permatex Industrial Corporation	Natural Blue	Alkaline Aqueous
Quaker Chemical Formula	625 XL	Alkaline Aqueous
Safe Science	Safe Science All Purpose (Industrial)	Alkaline Aqueous
Safe Science	Safe Science Concrete/ Graffiti (Industrial)	Alkaline Aqueous
Safe Science	Safe Science Engine Degreaser (Industrial)	Terpene
Savogran	Dirtex Prepaint Cleaner	Alkaline Aqueous
Simple Green	Crystal Simple Green Industrial Cleaner	Alkaline Aqueous
Simple Green	Simple GreenD	Alkaline Aqueous
Sky Products Co., Inc.	Cleaner #10	Alkaline Aqueous
Smart Sonic	440-R SMT Detergent	Alkaline Aqueous
Solvent Kleene, Inc.	D-Greeze 1000	Petroleum Distillate
Solvent Kleene, Inc.	D-Greeze 500 LO	Organic
Solvent Kleene, Inc.	D-Greeze GL 55	Alkaline Aqueous
Sterling	Mineral Spirits	Solvent
Texo Corporation	Texolite 1734 XL	Alkaline Aqueous
Today & Beyond	Beyond-2001	Alkaline Aqueous

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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
Today & Beyond	Beyond-2009	Organic
Tomah Products	Tomadyne Mix	Neutral Aqueous
Tower Products, Inc	Tower 270 Cleaner Concentrate	Alkaline Aqueous
Turco Products Inc	Turco 5948 DPM	Alkaline Aqueous
Twin Rivers Corp	Methyl Ester 1618	Ester
U.S. Polychem Corp.	87 RB	Hydrocarbon
U.S. Polychem Corp.	Hydropurge HPL 790	Caustic
U.S. Polychem Corp.	Polychem A 2000 XS	Alkaline Aqueous
U.S. Polychem Corp.	Polychem PW-147	Alkaline Aqueous
U.S. Polychem Corp.	Polyspray Jet 790 C	Caustic
U.S. Polychem Corp.	Polyspray Jet 790 XS	Alkaline Aqueous
United Laboratories	United 450 All Clear	Enzymatic/ Microbial
Valtech Corporation	Valtron SP 2200	Alkaline Aqueous
Valtech Corporation	Valtron SP 2250-2LF	Alkaline Aqueous
Vertec BioSolvents	VertecBio Gold 2	Organic
Warren Chemical Co	Sea Wash 700 New	Neutral Aqueous
Warren Chemical Co	Sea Wash 700 Old	Neutral Aqueous
Warren Chemical Co	Sea Wash 8	Neutral Aqueous
Warren Chemical Co	Sea Wash 8	New Neutral Aqueous
Warren Chemical Co	Sea Wash Neutral	Neutral Aqueous
Water	Water	Neutral Aqueous
Watson Technical Associates	Watson Formula 7300	Alkaline Aqueous
Watson Technical Associates	Watson Formula 9000A	Ikaline Aqueous
Westford Chemical Corporation	Biosolve	Neutral Aqueous

Summary:

Substrates:	Aluminum
Contaminants:	Greases

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Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
No Specific Vendor	Supplied alternatives list		0.00	☐	

Conclusion: If you would like more information on any of the products listed, please let the lab know.