CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004

DateRun: 06/20/2004

Experimenters: Jason Marshall

ClientType: Metal

ProjectNumber: Project #1

Substrates: Aluminum, Stainless Steel

PartType: Coupon

Contaminants: Films

Cleaning Methods: Ultrasonics

Analytical Methods:

Purpose: To generate a list of products that can be used on aluminum

Experimental Procedure: Using the laboratory's database for solvent cleaning substitution, the lab generated two list of products. The first list of products have been evaluated at SSL under similar conditions to the client's criteria. The second are products that should be compatible with aluminum as well as ultrasonics.

Results: Tested at SSL
Equipment Substrate
Ultrasonics Aluminum

CompanyName	ProductName	ClassificationDescription
Alconox Inc	Alcojet	Powder Detergent-Alkaline
Alconox Inc	Citranox	Acidic Aqueous
Bio Chem Systems	Green Stuff (6325)	Alkaline Aqueous
Bio Chem Systems	Solsafe 245	Petroleum Distillate
Brulin Corporation	Aquavantage 1400	Alkaline Aqueous
Brulin Corporation	Formula 815 GD	Alkaline Aqueous
Buckeye International	Shopmaster HP	Alkaline Aqueous
CAE Cleaning Technologies	Evercycle 2000	Neutral Aqueous
CAE Cleaning Technologies	Evercycle UCI	Neutral Aqueous
Chrisal USA Inc	Super CMF 240	Alkaline Aqueous
Delta Omega Technologies Ltd	DOT 111/113	Alkaline Aqueous
Dynamold Solvents Inc	DS 104	Petroleum Distillate
Dynamold Solvents Inc	DS 108	Petroleum Distillate
Gemtek Products	SC 1000	Alkaline Aqueous
Gemtek Products	SC Aircraft & Metal Cleaner	Alkaline Aqueous
Gemtek Products	SC Supersolve	Organic
Innovative Organics Inc	Amberclean 527 L	Alkaline Aqueous
International Products Corp	Surface Cleanse 930	Neutral Aqueous
Kyzen Corporation	Ionox HC 2	Alcohol

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Loctite Corporation	7360	Ester
MacDermid	ND Supreme	Alkaline Aqueous
Magnaflux	Daraclean 232	Alkaline Aqueous
Magnaflux	Daraclean 235	Neutral Aqueous
Magnaflux	Daraclean 282	Alkaline Aqueous
Magnaflux	Daraclean 282 GF	Alkaline Aqueous
Matchless Metal Polish Co	MC 580	Alkaline Aqueous
Oakite Products	Inproclean 3800	Alkaline Aqueous
Solvent Kleene Inc	D Greeze 500 LO	Organic
Texo Corporation	Texo Cleaner 127	Alkaline Aqueous
Texo Corporation	Texolite 1734 XL	Alkaline Aqueous
Today & Beyond	Beyond 2001	Alkaline Aqueous
Today & Beyond	Beyond 2004	Alkaline Aqueous
Today & Beyond	Beyond 2005	Alkaline Aqueous
United Laboratories	United 450 All Clear	Enzymatic/Microbial
US Polychem Corporation	Polychem A 2000 XS	Alkaline Aqueous
Valtech Corporation	Valtron SP 2275	Neutral Aqueous
Vertec BioSolvents	VertecBio Gold 2	Organic

Summary:

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.