CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004

DateRun: 12/19/2004

Experimenters: Jason Marshall

ClientType: Metal

ProjectNumber: Project #1

Substrates: Aluminum, Steel

PartType: Coupon

Contaminants: Cutting/Tapping Fluids

Cleaning Methods: Immersion/Soak

Analytical Methods:

Purpose: To identify alternative aqueous products that will not leave white film/residue

Experimental Procedure: Using the laboratory's database for solvent cleaning substitution, the lab generated a list of products based on similar testing situations.
Contaminant: Threadkut #99 (64742-54-7, 83488-05-5, 72162-15-3, 68920-70-7)

Results: Searching the database for contaminant CAS# resulted in the following products that have been tested successfully.

CAS# in database: 64742-54-7
for Aluminum or Steel substrates

Company Name	Product Name	Classification
AG Environmental Products	Soy Gold 2000	Organic
AW Chesterton	181 Low Alkaline Cleaner	Alkaline Aqueous
AW Chesterton	KPC 820 N	Alkaline Aqueous
Calgon Corporation	Geo Guard 2215	Alkaline Aqueous
Chemical Technologies	Green Thunder	Alkaline Aqueous
Gemtek Products	SC Aircraft & Metal Cleaner	Alkaline Aqueous
Hubbard Hall Inc	Aquasonic 201	Alkaline Aqueous
Innovative Organics Inc	Amberclean L 12	Alkaline Aqueous
ITW Fluid Products Group	AccuClean	Alkaline Aqueous
Safe CleanUp Solutions	Super Neutral	Enzymatic/ Microbial
Simple Green	Crystal Industrial Cleaner	Alkaline Aqueous
Twin Rivers Technologies	Methyl Ester 1618	Ester
US Polychem Corporation	Polyspray Jet 790 P	Alkaline Aqueous
Watson Technical Associates	Watson Formula 7300	Alkaline Aqueous

Summary:

Substrates:	Aluminum, Steel				
Contaminants:	Cutting/Tapping Fluids				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
No Specific Vendor	Supplied alternatives list		0.00	☐	

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 or you are interested in conducting cleaning trials, please contact the lab at (978)934-3133.