CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2003
DateRun:	05/04/2003
Experimenters:	Jason Marshall
ClientType:	Metal
ProjectNumber:	Project #1
Substrates:	Aluminum, Carbon Steel, Steel
PartType:	Coupon
Contaminants:	Coatings, Chemical
Cleaning Methods:	Mechanical Agitation
Analytical Methods:	None
Purpose:	Information request.
Experimental Procedure:	The lab's database was used to obtain a list of products that could be used to eliminate zinc phosphate and soap residue on parts.
Results:	Searching the database for similar metal working processes, the following products were found successful in removing coatings and lubricants from wire surfaces that were used in saw blade manufacturing.

Contaminant Information

Coating - Castrol Industrial, Inc Rustilo DW 924 HF (64742-53-6, 61790-48-5, 64742-47-8); Theis metal
Coating - Castrol Rustilo DWX 30 Rust Preventatives (64742-82-1; 61790-48-5; 112-34-5)
Coating - Rust Preventatives, Castrol Industrial, Inc Rustilo DW 924 HF (64742-53-6, 61790-48-5, 64742-47-8)
Coating - Rust Preventatives, Castrol Rustilo DWX 30 (64742-82-1, 61790-48-5, 112-34-5)
Coating - Rust Preventatives, Houghton Rust Veto C3
Lubricant - ITW Fluid Products Power Stamp II
Lubricant - ITW Fluid Products Power Stamp II diluted 5:1 with water

Successful Products

Company	Product	Classification
Abatement Technology	Bio Might 100	Alkaline Aqueous
DA Stuart Company	Dasco Kleen 3250	Alkaline Aqueous
Ensolve Biosystems Inc	Grease Feast Plus	Enzymatic/ Microbial
Gemtek Products	SC Aircraft & Metal Cleaner	Alkaline Aqueous
Heatbath Corporation	Multi-Kleen 1568	Alkaline Aqueous
Houghton International	Certa Kleen 5387	Alkaline Aqueous
Oakite Products	Inproclean 3800	Alkaline Aqueous
Safe CleanUp	Super Neutral	Enzymatic/ Microbial
Today & Beyond	Beyond 2001	Alkaline Aqueous
Warren Chemical Comp	Sea Wash 700 New	Neutral Aqueous

Results of search for white powder removal:

Chemical - White powders (SiO2, NHCl, (NH4)2SiF6, or NH4HF2)

Successful Products		
Company	Product	Classification
Armex	Sodium Bicarbonate	Blasting
Buckeye International	Shopmaster	Alkaline Aqueous

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Buckeye International	Shopmaster LPH	Alkaline Aqueous
Dynamold Solvents Inc	DS 108	Petroleum Distillate
Innovative Organics Inc	Amberclean 527 L	Alkaline Aqueous
MacDermid	ND LF Supreme	Alkaline Aqueous
Today & Beyond	Beyond 2001	Alkaline Aqueous

Summary:

Substrates:	Aluminum, Carbon Steel, Steel				
Contaminants:	Coatings, Chemical				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
No Specific Vendor	Supplied alternatives list		0.00	☐	

Conclusion:

Cleaning projects vary from case-to-case. To obtain more detailed information about any of the listed trials, have the SCL # ready when contacting the lab at (978)934-3133.