

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 05/05/2003

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 (SiO<sub>2</sub>, NHCl, (NH<sub>4</sub>)<sub>2</sub>SiF<sub>6</sub>, or NH<sub>4</sub>HF<sub>2</sub>)

Successful Products		
Company	Product	Classification
Armex	Sodium Bicarbonate	Blasting

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Buckeye International	Shopmaster	Alkaline Aqueous
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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:

<b>Substrates:</b>	Aluminum, Carbon Steel, Steel				
<b>Contaminants:</b>	Coatings, Chemical				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
No Specific Vendor	Supplied alternatives list			<input type="checkbox"/>	

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.