

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002
 DateRun: 02/11/2002
 Experimenters: Purav Dave
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Aluminum
 PartType: Coupon
 Contaminants: Inks
 Cleaning Methods: Immersion/Soak
 Analytical Methods: Gravimetric
 Purpose: Laboratory evaluations of alternative cleaning products
 Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning.
 Cleaning: 5 min. immersion cleaning at 120 F with stir-bar agitation.
 Rinsing: 1/2 min. manual with water at 120 F
 Drying: 1 min. with heat gun at 500 F
 Contaminant: INK- ITW -Dykem-steel blue
 Cas #: 64175, 123864, 71363, 9004700, 67630, 8004873.

Results:

Summary:

Substrates:	Aluminum				
Contaminants:	Inks				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Abatement Technologies	Bio Might 100 Cleaner - Degreaser	5	7.24	<input type="checkbox"/>	charred aluminum coupon.
Chem Free Corporation	SW-2 Heavy Grease Formula	5	-23.01	<input type="checkbox"/>	
Chem Free Corporation	SW-3 Ozzy Juice (Improved Low Odor)	5	-3.38	<input type="checkbox"/>	
Chem Free Corporation	SW-1 Ozzy Juice	5	-4.18	<input type="checkbox"/>	
Drummond America Corporation	Clout	5	-8.73	<input type="checkbox"/>	weight increase might be due to absorption of water
Drummond America Corporation	Keynote	5	3.72	<input type="checkbox"/>	

Conclusion: Biomight 100 charred the aluminum coupons, so Biomight 100 is not compatible with aluminum. On cleaning the coupons with soda blasting media there was observed decrease in weight and the surface characteristics changed. (The surface had lost the shining on the parts where soda was blasted.)