

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 02/12/2002

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.)