

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003
 DateRun: 10/06/2003
 Experimenters: Dave Hout
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Stainless Steel
 PartType: Coupon
 Contaminants: Adhesive
 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. Five products were used at full strength at room temperature and three were heated to 130 F on a hot plate. Twenty-four preweighed coupons were coated with Re: Source Technologies Grid Set Green Blue 2000 (7732-18-4; 25212-88-8; 1310-58-3; 68649-38-7) and allowed to dry overnight and reweighed. Three coupons were cleaned in each solution for 5 minutes using stir-bar-agitation, rinsed in a tap water bath for 15 seconds at 120 F and dried using air blow off for 30 seconds at 68 F. Coupons were allowed to dry for a half an hour and then reweighed a final time. Efficiencies were calculated.

Results:

Summary:

Substrates:		Stainless Steel				
Contaminants:		Adhesive				
Company Name:		Product Name:	Conc.:	Efficiency:	Effective:	Observations:
National Diagnostic		Histo Clear	100	-13.50	<input type="checkbox"/>	
Transene Company, Inc.		D Greeze 1000	100	25.36	<input type="checkbox"/>	
Finger Lakes Chemical		Safer Stuff	100	30.49	<input type="checkbox"/>	
Universal RenigIngsmitel - Mulder Hardenberg		RST 5	100	30.80	<input type="checkbox"/>	
Magnaflux		Daraclean 235	5	25.55	<input type="checkbox"/>	
Sky Products Company Inc		Cleaner #10	5	32.30	<input type="checkbox"/>	
US Polychem Corporation		Polychem A 2000 P	5	28.69	<input type="checkbox"/>	
Universal Photonics		Uni Clear	100	-61.27	<input type="checkbox"/>	

Conclusion: No products were effective at removing the adhesive.