

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 Ashland Chemical Aroset (141-78-6, 142-82-5, 67-63-0) 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	-74.30	<input type="checkbox"/>		
Transene Company, Inc.	D Greeze 1000	100	-23.82	<input type="checkbox"/>		
Finger Lakes Chemical	Safer Stuff	100	-9.72	<input type="checkbox"/>		
Universal RenigIngsmitel - Mulder Hardenberg	RST 5	100	1.51	<input type="checkbox"/>		
Universal Photonics	Uni Clear	100	-88.52	<input type="checkbox"/>		
Magnaflux	Daraclean 235	5	-9.22	<input type="checkbox"/>		
Sky Products Company Inc	Cleaner #10	5	43.48	<input type="checkbox"/>		
US Polychem Corporation	Polychem A 2000 P	5	11.38	<input type="checkbox"/>		

Conclusion: No products were effective at removing the adhesive.