

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003  
 DateRun: 10/05/2003  
 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:

<b>Substrates:</b>	Stainless Steel					
<b>Contaminants:</b>	Adhesive					
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>	
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 Renignngsmittel - 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.