

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002
 DateRun: 03/12/2002
 Experimenters: Purav Dave
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Stainless Steel
 PartType: Coupon
 Contaminants: Resins/Rosins
 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: gelva multipolymer resin solution.
 Cas #: 50862-46-9, 141-78-6, 142-82-5, 67-63-0, 64-17-5, 108-05-4.

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Resins/Rosins				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Carroll Company	Blue Gold Heavy Industrial Cleaner	5	9.39	<input type="checkbox"/>	
EnviroSan Products Ltd	Solution 2000	5	9.79	<input type="checkbox"/>	
ITW Fluid Products Group	AccuClean	5	7.99	<input type="checkbox"/>	
Oakite Products	Inproclean 2000	5	8.97	<input type="checkbox"/>	
Tarksol Inc	Tarksol HTF 60	100	-21.27	<input type="checkbox"/>	one fo the coupon was wiped with paper and then weighed.
Magnaflux	Daraclean 200	5	5.82	<input type="checkbox"/>	
CRC Industries	Complex Blue	5	5.79	<input type="checkbox"/>	
United Laboratories International	United 450 All Clear	5	5.73	<input type="checkbox"/>	
Tarksol Inc	Tarksol HTF 60	100	89.36	<input type="checkbox"/>	Worked well but 1 hr soaking

Conclusion: None of the cleaners worked. Tarksol HTF- 60 was tested again as it left the resin solution dry even after rinsing. The coupons were soaked in the cleaner for 1 hr. and eft hanging for 2 days. Almost all the resin dripped off the coupons.