

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002
 DateRun: 01/11/2002
 Experimenters: Heidi Wilcox
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Aluminum
 PartType: Coupon
 Contaminants: Cutting/Tapping Fluids
 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 with stir-bar agitation @ 120 F
 Rinsing: 1/2 min, manual, in 102 F water (tap)
 Drying : 1 min with heatg un @ 500F
 Contaminant: Steco Corp, Tap Magic Protap (cutting Fluid)
 CAS# 112-80-1

Results: Low Foam: The high removal rate may mean that there were contaminants on the coupon at the beginning of the trial and this cleaner removed the added and background contaminant.

Summary:

Substrates:	Aluminum				
Contaminants:	Cutting/Tapping Fluids				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Kleer Flo Company	Grease Off 2	5	96.30	<input type="checkbox"/>	
Valtech Corporation	Valtron SP 2201	5	92.86	<input checked="" type="checkbox"/>	
Valtech Corporation	Valtron SP 2200	5	99.25	<input checked="" type="checkbox"/>	
Permatex Industrial Corporation	Natural Blue	5	98.12	<input checked="" type="checkbox"/>	
International Products Corporation	LF 2100 (Liquid Foam Cleaner)	5	101.00	<input checked="" type="checkbox"/>	
US Polychem Corporation	Polychem PW 147	5	98.98	<input checked="" type="checkbox"/>	

Conclusion: All cleaners were effective (>93%)