

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003
 DateRun: 03/31/2003
 Experimenters: Heidi Wilcox
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Stainless Steel
 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 heat gun @ 500F
 Contaminant: Steco Corp, Tap Magic Protap
 CAS# 112-80-1, 112-62-9

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Cutting/Tapping Fluids				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Metabolix Inc	Metabolix E3HB	100	2.66	<input type="checkbox"/>	
Florida Chemical Company	Citrus Burst 7	100	0.12	<input type="checkbox"/>	
Brulin Corporation	Nature Sol 100	100	45.63	<input type="checkbox"/>	Adjust time for increased efficiency. Looks ike could peel off coating
Twin Rivers Technologies	Methyl Ester 1618	100	-2.40	<input type="checkbox"/>	looks as if could peel coating off
AG Environmental Products	Soy Clear 1500	100	-13.66	<input type="checkbox"/>	
Vertec BioSolvents	Paint stripper	100	-17.43	<input type="checkbox"/>	coul peel off coating
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	-21.50	<input type="checkbox"/>	wipe
Inland Technologies Inc	Citrasafe	100	45.16	<input type="checkbox"/>	Increase time for effective removal
Pentone Corporation	Citrikleen XPC	100	66.79	<input type="checkbox"/>	Wiped coupon
Vertec BioSolvents	Take Off Green	100	8.36	<input type="checkbox"/>	

Conclusion: