CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 03/27/2003

Experimenters: Jason Marshall

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.

Cleaning: 5 min Immersion cleaning with stir-bar agitation @ 120 F
Rinsing: 1/2 min, manual, in 102 F water (tap)
Drying: 30 seconds air blow off, 68 F
Contaminant: InstaCure Adhesive CAS# 7085-85-0
Insta set CAS# 64742-89-8, 99-97-8

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Adhesive				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Metabolix Inc	Metabolix E3HB	100	-49.42	☐	Softened the adhesive but unable to remobe with rinse. May need mor time or energy.
Florida Chemical Company	Citrus Burst 7	100	31.68	☐	adhesive was dripping off with water. A higher pressure rinse may help.
Florida Chemical Company	D-Limonene	100	46.55	☐	adhesive very soft, need better removal method such as a high presure spray
Twin Rivers Technologies	Methyl Ester 1618	100	-74.08	☐	adhesive very soft
AG Environmental Products	Canola Gold CE110	100	-130.75	☐	
AG Environmental Products	Soy Clear 1500	100	-153.43	☐	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	-80.41	☐	
Pentone Corporation	Citrikleen XPC	100	28.37	☐	
Vertec BioSolvents	Take Off Green	100	65.88	☐	

Conclusion: After cleaning, rinsing and drying, some coupons had a noticeable residue. Wiping was performed to see if efficiencies would increase significantly. Trial 253 shows these results.