CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 08/12/2002

Experimenters: Jason Marshall, Heidi Wilcox

ClientType: Cleaner Manufacturer

ProjectNumber: Project #1

Substrates: Steel

PartType: Coupon

Contaminants: Paints

Cleaning Methods: Manual Wipe

Analytical Methods: Visual

Purpose: Paint removal evaluation of supplied cleaner

Experimental Procedure: Two steel plates were coated with two paints, Sheboygan Paint Company Coating - Black Gloss Air Dry Acrylic Enamel (1330-20-7, 100-41-4, 108-10-1, 1333-96-4, 7727-43-7, 108-88-3, 67-64-1) and Bowman Distribution Semi-Gloss Black Enamel (67-64-1, 1330-20-7, 64-17-5, 763-69-9, 78-93-3, 141-78-6, 68476-86-8).
The supplied cleaner and four other products were used at full strength at room temperature. A paper towel was soaked with each solution and the steel coupons were wiped for up to 5 minutes to determine effectiveness.

Results: Three of the five products tested (Bio T Max, D-Limonene and Metabolix) were successful on the Bowman spray paint. Only two were successful very successful (D-Limonene and Metabolix) on the Sheboygan paint. Of these two, Metabolix was more effective, requiring less time to remove the thick enamel paint from the steel plate.

Summary:

Substrates:	Steel				
Contaminants:	Paints				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Metabolix Inc	Metabolix E3HB	100	0.00	☑	Both Paints
Bio Chem Systems	Bio T Max	100	0.00	☑	One paint
Florida Chemical Company	D-Limonene	100	0.00	☑	Both paints
Savogran Company	Dirtex Prepaint Cleaner	100	0.00	☐	
PCI of America	Hurrisafe 9010	100	0.00	☐	

Conclusion: Client supplied cleaner was successful in removing paint through manual wiping.