CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1998

DateRun: 03/22/1998

Experimenters: Jason Marshall, Prashant Trivedi

ClientType: Cabinet Manufacturer

ProjectNumber: Project #1

Substrates: Plastic

PartType: Part

Contaminants: Adhesive

Cleaning Methods: Manual Wipe

Analytical Methods: Visual

Purpose: Additional cleaners to remove adhesive

Experimental Procedure: The purpose of this experiment was to find additional cleaners that could be used to remove the adhesive from the plastic laminate. Several chemistries were selected from the laboratory's database of in-house cleaners. The cleaners were selected on one of two categories: substrate compatibility and contaminant removal. A paper towel was saturated with a cleaner at full strength. The towel was applied to the coupon in a circular motion with minimal pressure for about a minute. The effectiveness of the chemist was determined visually.
SUBSTRATE MATERIAL: Plastic coupons (2" x 4")
CONTAMINANTS: 3M contact cement--30NF

Results: Of the fourteen chemistries tested, only four showed signs of removing the adhesive from the surface. These chemistries were: Fisan Versaclean, Safety Prep, D-Greeze 500, and Bio-T MAX. Since only one of the four cleaners came from the substrate compatibility category, an additional test will be performed to determine if there will be any problems with the cleaners and the plastic substrate.

Summary:

Substrates:	Plastic				
Contaminants:	Adhesive				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Abatement Technologies	Bio Might 100 Cleaner - Degreaser	100	0.00	☐	
AG Environmental Products	Soy Gold 1000	100	0.00	☐	
Alconox Inc	Detergent 8	100	0.00	☐	
AW Chesterton	217 Pressure wash	100	0.00	☐	
Calgon Corporation	AK 6215	100	0.00	☐	
Bio Chem Systems	Bio T Max	100	0.00	☑	
Inland Technologies Inc	Safety Prep	100	0.00	☑	
International Products Corporation	Micro (no longer available)	100	0.00	☐	
Nalge Company	Nalgene L 900	100	0.00	☐	
Oakite Products	Fisan Versaclean	100	0.00	☑	
Oakite Products	Inproclean 3800	100	0.00	☐	
Oakite Products	Inproclean 4000 T	100	0.00	☐	
Transene Company, Inc.	D Greeze 500 LO	100	0.00	☑	
Magnaflux	Daraclean 232	100	0.00	☐	

Conclusion: Four cleaners were shown to be effective in removing the adhesive from the plastic surface. Three of the chemistries will undergo a compatibility study. All four will then be tested quantitatively for removal of the adhesive.