CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1996

DateRun: 05/07/1996

Experimenters: Jay Jankauskas

ClientType: Manufacturer of Furniture

ProjectNumber: Project #1

Substrates: Steel

PartType: Part

Contaminants: Coatings, Resins/Rosins

Cleaning Methods: Immersion/Soak

Analytical Methods: Visual

Purpose: To determine a cleaning method

Experimental Procedure: The purpose of this trial is to determine a cleaning method that would be appropriate for Moduform. For the First part of the trial, a contaminated hook was brought to AA Environmental in Woburn MA. to determine the effectiveness of Sodium Bicarbonate blasting. This process proved to be very effective. All of the built-up coatings were removed from the hook in about 30 seconds.
The next test was to see if there was a drop-in chemical substitute for Methylene Chloride that would be just as effective. The coated end of eight different hooks were immersed in 500 ml concentrated solutions of eight different chemicals.

SUBSTRATE MATERIAL: Steel Hooks
CONTAMINANTS: Coatings/Urethanes
CONTAMINATING PROCESS USED: As received from Manufacturer of Furniture.

Results: The only chemistries that showed potential was the CSA Biosafe and the General Chemical Aquaclean 5784. Both of these chemistries pulled of two to three layers of coatings but did not perform as well as necessary.

Summary:

Substrates:	Steel				
Contaminants:	Coatings, Resins/Rosins				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Armex Cleaning and Coating Removal Systems	Sodium Bicarbonate	100	0.00	☑	
Transene Company, Inc.	D Greeze 500 LO	100	0.00	☐	
US Polychem Corporation	Polychem PW 147	100	0.00	☐	
Tarksol Inc	Tarksol HTF 85 B	100	0.00	☐	
AW Chesterton	803 Industrial & Marine Solvent II	100	0.00	☐	
Brulin Corporation	Compliance	100	0.00	☐	
CSA Inc	Bio Safe 1023	100	0.00	☐	
General Chemical Corporation	Aquaclean 4784	100	0.00	☐	
Tarksol Inc	SR 225	100	0.00	☐	

Conclusion: For this cleaning application, it does not seem that a non-regulated solvent will be effective alternative for Manufacturer of Furniture's current cleaning procedure. On the other side the sodium bicarbonate blasting service by AA Environmental is definitely effective.