

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002  
 DateRun: 01/30/2002  
 Experimenters: Heidi Wilcox  
 ClientType: Lab  
 ProjectNumber: Project #1  
 Substrates: Stainless Steel  
 PartType: Coupon  
 Contaminants: Adhesive  
 Cleaning Methods: Manual Wipe  
 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: Manually hand wiped coupons at ~ room temp of 68 F with paper towel, 3-4 times  
 Rinsing: 1/2 min, manual, with tap water @ 120 F  
 Drying: 1 min with heat gun at 500F  
 Contaminant: Aroset PS 8078, Ashlan Chemical (Lot# 071901). Very thick adhesive

Results: VG 151 Very effective. Gel consistency. Dissolved adhesive well.  
 RST 5 Removed a good portion of the adhesive but it would have taken considerable manual work to remove the rest or another application to finish the removal.  
 1050 Magic removed some of adhesive. Would require considerable manual labor to remove the rest of the adhesive or another application of the cleaner with a longer soaking time.  
 Westech CT 1550 Same is for RST 5 & 1050 Magic  
 Fingerlakes Chemicals Same as previous 3 cleaners

Summary:

<b>Substrates:</b>	Stainless Steel				
<b>Contaminants:</b>	Adhesive				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
EcoLink	VG 151	100	99.95	<input checked="" type="checkbox"/>	
Universal Reniglngsmittel - Mulder Hardenberg	RST 5	100	43.18	<input type="checkbox"/>	
Chem Tech Solutions	1050 Magic	100	29.21	<input type="checkbox"/>	
Chem Tech Solutions	Westech CT 1550	100	19.36	<input type="checkbox"/>	

Conclusion: VG-151 was very effective. Used 5 cleaners that specifically stated they would work on adhesives and resins. The coupons used were from trial 159, 161 & 165 that were not able to be cleaned by immersion, ultrasonics or media blasting.