CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 09/08/2003

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.

Eight products were used at full strength, heated to 120 F on a hot plate. Twenty-four preweighed coupons were coated with Ashland Chemical Aroset PS 8078 adhesive (141-78-6, 142-82-5, 67-63-0) and allowed to dry overnight and reweighed. Three coupons were cleaned in each solution for 5 minutes using stir-bar-agitation, rinsed in a tap water bath for 15 seconds at 120 F and dried using air blow off for 30 seconds at 68 F. Coupons were allowed to dry overnight and then reweighed a final time. Efficiencies were calculated.

Note: Bio T Foam Plus was sprayed onto coupons at room temperature and allowed to sit for 5 minutes. The cleaner was then wiped clean.

Results: Only one product had positive removal of this adhesive.

Summary:

Substrates:	Stainless Steel				
Contaminants:	Adhesive				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
AW Chesterton	278 Super Solv	100	-196.35	☐	
Bio Chem Systems	Bio T Foam Plus	100	-4.97	☐	
Invista S.a.r.l	Flexisolv DBE Ester	100	-14.58	☐	
Invista S.a.r.l	Flexisolv DBE 3 ester	100	-15.18	☐	
Eastern Color and Chemical Company	Ecobrite Cleaner AK	100	-23.29	☐	
EcoLink	Rip Tide	100	-12.06	☐	
EcoLink	VG 151	100	21.64	☐	with wipe
Gemtek Products	SC EZ Solv Safety Solvent	100	-131.23	☐	

Conclusion: Ecolink VG 151 may work with longer cleaning time, or more wiping.