# CLEANING LABORATORY EVALUATION SUMMARY

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| 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.<br>Eight products were used at full strength, heated to 120 F on a hot plate. Twenty-four preweighed coupons were coated with Re:Sources Technologies Grid Set Green Glue 2000 (7732-18-5, 25212-88-8, 1310-58-3, 68649-38-7) 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.<br>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 two products had positive removal of the adhesive. |

Summary:

| **Substrates:** | Stainless Steel | | | | |
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| **Contaminants:** | Adhesive | | | | |
| **Company Name:** | **Product Name:** | **Conc.:** | **Efficiency:** | **Effective:** | **Observations:** |
| AW Chesterton | 278 Super Solv | 100 | -141.43 | ☐ | |
| Bio Chem Systems | Bio T Foam Plus | 100 | 10.01 | ☐ | |
| Invista S.a.r.l | Flexisolv DBE Ester | 100 | -10.88 | ☐ | |
| Invista S.a.r.l | Flexisolv DBE 3 ester | 100 | -49.51 | ☐ | |
| Eastern Color and Chemical Company | Ecobrite Cleaner AK | 100 | -4.06 | ☐ | |
| EcoLink | Rip Tide | 100 | -2.13 | ☐ | |
| EcoLink | VG 151 | 100 | 5.25 | ☐ | with wipe |
| Gemtek Products | SC EZ Solv Safety Solvent | 100 | -73.48 | ☐ | left a film behind |

Conclusion: Bio Chem Systems Bio T Foam and Ecolink VG 151 may work with extended cleaning times.