# CLEANING LABORATORY EVALUATION SUMMARY

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| SCL #: | 2003 |
| DateRun: | 10/05/2003 |
| Experimenters: | Dave Hout |
| 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>Five products were used at full strength at room temperature and three were heated to 130 F on a hot plate. Twenty four preweighed coupons were coated with Ashland Chemical Aroset (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 for a half an hour and then reweighed a final time. Efficiencies were calculated. |
| Results: | |

Summary:

| **Substrates:** | Stainless Steel | | | | |
|---|---|---|---|---|---|
| **Contaminants:** | Adhesive | | | | |
| **Company Name:** | **Product Name:** | **Conc.:** | **Efficiency:** | **Effective:** | **Observations:** |
| National Diagnostic | Histo Clear | 100 | -74.30 | ☐ | |
| Transene Company, Inc. | D Greeze 1000 | 100 | -23.82 | ☐ | |
| Finger Lakes Chemical | Safer Stuff | 100 | -9.72 | ☐ | |
| Universal Reniglngsmitel - Mulder Hardenberg | RST 5 | 100 | 1.51 | ☐ | |
| Universal Photonics | Uni Clear | 100 | -88.52 | ☐ | |
| Magnaflux | Daraclean 235 | 5 | -9.22 | ☐ | |
| Sky Products Company Inc | Cleaner #10 | 5 | 43.48 | ☐ | |
| US Polychem Corporation | Polychem A 2000 P | 5 | 11.38 | ☐ | |

Conclusion: No products were effective at removing the adhesive.