# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004

DateRun: 11/30/2004

Experimenters: Jason Marshall

ClientType: Consultant

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Coatings

Cleaning Methods:

Analytical Methods:

Purpose: To generate a list of alternative cleaning products.

Experimental Procedure: Using the laboratory's database for solvent cleaning substitution, the lab generated the following lists of products. The products have been evaluated at SSL under similar conditions to the client's criteria.

Results: The table lists products that have been used effectively for removing contaminant that contain petroleum based products.

| Company Name | Product Name | Classification | Contaminant |
|---|---|---|---|
| AJ Associates | Dynadet | Caustic | Waxes |
| AJ Associates | Dynadet | Caustic | Waxes |
| BCS Company | Ultra Blue 100 | Alkaline Aqueous | Lubricating/ Lapping Oils |
| Calgon Corporation | AK 6215 | Alkaline Aqueous | Coatings |
| Calgon Corporation | Geo Guard 2215 | Alkaline Aqueous | Greases |
| Calgon Corporation | SMS 206 K | Alkaline Aqueous | Lubricating/ Lapping Oils |
| Calgon Corporation | SMS 206 K | Alkaline Aqueous | Lubricating/ Lapping Oils |
| Chem Tech Solutions | Westech CT 1550 | Terpene | Greases |
| Metabolix Inc | Metabolix E3HB | Ester | Waxes |
| Metabolix Inc | Metabolix E3HB | Ester | Waxes |
| Metabolix Inc | Metabolix E3HB | Ester | Waxes |
| Oakite Products | Inproclean 3800 | Alkaline Aqueous | Greases |
| Oakite Products | Inproclean 3800 | Alkaline Aqueous | Lubricating/ Lapping Oils |
| Oakite Products | Inproclean 3800 | Alkaline Aqueous | Greases |
| Oakite Products | Inproclean 3800 | Alkaline Aqueous | Greases |
| Oakite Products | Inproclean 3800 | Alkaline Aqueous | Lubricating/ Lapping Oils |
| Oakite Products | Oakite 77 | Powder Detergent | Coatings |
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| Oakite Products | Oakite 77 | Powder Detergent | Coatings |
| | | | Greases |

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|---|---|---|---|
| Sky Products Company Inc. | Cleaner #10 | Alkaline Aqueous | |
| Solvent Kleene Inc | D Greeze 1000 | Petroleum Distillate | Waxes |
| Today & Beyond | Beyond 2006 | Alkaline Aqueous | Waxes |
| US Polychem Corporation | Polyspray Jet 790 C | Caustic | Waxes |
| US Polychem Corporation | Polyspray Jet 790 XS | Alkaline Aqueous | Lubricating/ Lapping Oils |
| US Polychem Corporation | Polyspray Jet 790 XS | Alkaline Aqueous | Lubricating/ Lapping Oils |

Summary:

Conclusion: Cleaning varies from case to case. The SSL recommends process specific testing on potential replacement cleaning chemicals. If more information is needed on a particular product, or you are interested in conducting cleaning trials, please contact the lab at (978)934-3133.