# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 05/06/2002

Experimenters: Jason Marshall

ClientType: Consultant

ProjectNumber: Project #1

Substrates: Alloys, Aluminum, Steel

PartType: Coupon

Contaminants: Cutting/Tapping Fluids, Greases, Lubricating/Lapping Oils, Metal fines, Oil

Cleaning Methods:

Analytical Methods:

Purpose: To generate a list of alternatives to mineral spirits for cleaning airplane parts.

Experimental Procedure: Using SSL's Simple Solutions database, two lists of products were generated based on client input. The first list contains products that have been evaluated in the lab for metal working fluids for steel and aluminum. The equipment may not be the same as the client requested materials. The second list contains Vendor suggested products. Nine parameters were entered into the search. Products with higher numbers met more criteria.

Results: Laboratory Tested

| Company Name | Product Name | Classification | Substrate | Total |
|---|---|---|---|---|
| Abatement Technology | Bio Might 100 | Alkaline Aqueous | Aluminum | 2 |
| Alconox, Inc. | Detergent 8 | Alkaline Aqueous | Aluminum | 3 |
| Bio Chem Systems | Bio T 200 A | Terpene | Aluminum | 2 |
| Bio Chem Systems | Bio T 300 B | Semi-Aqueous Terpene | Aluminum | 1 |
| Bio Chem Systems | Bio T Parts Washer NR | Terpene | Aluminum | 2 |
| Bio Chem Systems | Bio T Parts Washer NR | Terpene | Steel | 2 |
| Bio Chem Systems | Bio T V-50 | Terpene | Aluminum | 6 |
| Bio Chem Systems | Bio T V-50 | Terpene | Steel | 4 |
| Bio Chem Systems | Green Stuff (6325) | Alkaline Aqueous | Aluminum | 2 |
| Bio Chem Systems | SOLSAFE 245 | Petroleum Distillate | Aluminum | 2 |
| CAE Cleaning Technologies | Evercycle 2000 | Neutral Aqueous | Aluminum | 2 |
| Calgon Corporation | RT 806 | Alkaline Aqueous | Aluminum | 2 |
| Chem Free Corp | Ozzy Juice SW 1 | Enzymatic/ Microbial | Aluminum | 1 |
| Chem Free Corp | Ozzy Juice SW 3 | Enzymatic/ Microbial | Aluminum | 4 |
| Chemical Technologies | Green Thunder | Alkaline Aqueous | Aluminum | 3 |
| Chemstation | Green Stuff Neutral | Neutral Aqueous | Aluminum | 2 |
| Cleansafe Solutions | Solution 2000 | Alkaline Aqueous | Aluminum | 4 |
| CRC Industries | Complex Blue | Semi-Aqueous | Aluminum | 2 |
| DA Stuart Co | | | Steel | 5 |

# CLEANING LABORATORY EVALUATION SUMMARY

| | | | | |
|---|---|---|---|---|
| | Dasco Kleen 3250 | Alkaline Aqueous | | |
| Drummond American | Clout | Semi-Aqueous | Aluminum | 6 |
| Drummond American | Keynote | Neutral Aqueous | Aluminum | 5 |
| Ecolink | Heavy Weight Non Butyl Detergent | Alkaline Aqueous | Aluminum | 2 |
| Ecolink | Positron | Organic | Aluminum | 1 |
| Ecolink | Universal Steam Cleaner | Alkaline Aqueous | Aluminum | 2 |
| Ecolink | Universal Steam Cleaner | Alkaline Aqueous | Steel | 2 |
| EMKAY Chemical Co | Safety Wash Clear | Alkaline Aqueous | Aluminum | 1 |
| EMKAY Chemical Co | Safety Wash CRC | Alkaline Aqueous | Aluminum | 1 |
| Ensolve Biosystems, Inc. | Grease Feast Plus | Enzymatic/ Microbial | Aluminum | 6 |
| Ensolve Biosystems, Inc. | Grease Feast Plus | Enzymatic/ Microbial | Steel | 3 |
| Environmental Services | TASC | Alkaline Aqueous | Aluminum | 1 |
| Environmental Technology | RB Degreaser Cleaner | Alkaline Aqueous | Aluminum | 3 |
| Finger Lakes Chemicals | 1-1-02 | Terpene | Aluminum | 1 |
| Finish Line Technologies Inc | Bio Degradable Degreaser | Semi-Aqueous | Aluminum | 1 |
| Gemtek Products | SC Aircraft & Metal Cleaner | Alkaline Aqueous | Steel | 2 |
| Gemtek Products | SC Supersolve | Organic | Aluminum | 1 |
| General Chemical Corporation | Aluminex 5834 | Alkaline Aqueous | Aluminum | 1 |
| General Chemical Corporation | Aquaclean 4784 | Caustic | Aluminum | 1 |
| Heatbath Corporation | Alu-Kleen 36 | Acidic Aqueous | Aluminum | 5 |
| Heatbath Corporation | Multi-Kleen 1568 | Alkaline Aqueous | Aluminum | 1 |
| Heatbath Corporation | Multi-Kleen 1568 | Alkaline Aqueous | Steel | 3 |
| Heatbath Corporation | Power Wash Cleaner BCR | Alkaline Aqueous | Aluminum | 6 |
| Houghton International | Certa Kleen 5387 | Alkaline Aqueous | Steel | 4 |
| Hubbard Hall Inc | Aquasonic 201 | Alkaline Aqueous | Aluminum | 2 |
| Hubbard Hall Inc | Ram Charger | Alkaline Aqueous | Aluminum | 1 |
| Hurri Kleen | Hot Immersion Degreaser | Alkaline Aqueous | Aluminum | 1 |
| Hurri Kleen | Parts Washer Degreaser | Alkaline Aqueous | Aluminum | 1 |

# CLEANING LABORATORY EVALUATION SUMMARY

| | | | | |
|---|---|---|---|---|
| Inland Technologies Inc | Citrasafe | Terpene | Aluminum | 2 |
| Innovative Organics Inc | Amber Clean SC 11 | Neutral Aqueous | Aluminum | 1 |
| Innovative Organics Inc | Amberclean L 12 | Alkaline Aqueous | Aluminum | 5 |
| ITW Fluid Products Group | Accu-Clean | Alkaline Aqueous | Aluminum | 5 |
| JDI, Inc. | Mirachem 500 RTU | Alkaline Aqueous | Aluminum | 4 |
| Kleer Flo Company | Grease Off 2 | Alkaline Aqueous | Aluminum | 1 |
| Kyzen Corporation | Ionox FCR | Semi-Aqueous | Aluminum | 2 |
| MacDermid | ND LF Supreme | Alkaline Aqueous | Aluminum | 2 |
| Magnum Research | Aluminum Aerowash | Alkaline Aqueous | Aluminum | 3 |
| Man Gill Chemical | Gillite 0650 Cl | Alkaline Aqueous | Aluminum | 1 |
| Man Gill Chemical | Gillite 1156 | Powder Detergent | Aluminum | 1 |
| Matchless Metal Polish Company | MC 132 | Alkaline Aqueous | Aluminum | 2 |
| Mirachem Corporation | Mirachem 500 | Alkaline Aqueous | Aluminum | 6 |
| New Pig Corporation | New Pig Degreaser | Semi-Aqueous | Aluminum | 5 |
| New Pig Corporation | New Pig Degreaser | Terpene | Aluminum | 5 |
| North Atlantic Bio Industries | NAB 9000 | Neutral Aqueous | Aluminum | 1 |
| Oakite Products | Citradet | Semi-Aqueous | Aluminum | 1 |
| Oakite Products | Inproclean 3800 | Alkaline Aqueous | Aluminum | 1 |
| Oakite Products | Inproclean 3800 | Alkaline Aqueous | Steel | 6 |
| Oakite Products | Oakite 77 | Powder Detergent | Aluminum | 4 |
| Oakite Products | Oakite 77 | Powder Detergent | Steel | 1 |
| Oakite Products | Okemclean | Caustic | Aluminum | 1 |
| Permatex Industrial Corporation | Natural Blue | Alkaline Aqueous | Aluminum | 1 |
| Quaker Chemical | Formula 625 XL | Alkaline Aqueous | Aluminum | 1 |
| Safe Science | Safe Science Engine Degreaser | Terpene | Aluminum | 5 |
| Safe Science | Safe Science Engine Degreaser | Terpene | Steel | 5 |
| Savogran | Dirtex Prepaint Cleaner | Alkaline Aqueous | Aluminum | 4 |
| Smart Sonic | 440-R SMT Detergent | Alkaline Aqueous | Aluminum | 1 |
| Smart Sonic | 440-R SMT Detergent | Alkaline Aqueous | Steel | 1 |
| | | | Aluminum | 1 |

# CLEANING LABORATORY EVALUATION SUMMARY

| | | | | |
|---|---|---|---|---|
| Solvent Kleene, Inc. | D-Greeze 1000 | Petroleum Distillate | | |
| Solvent Kleene, Inc. | D-Greeze GL 55 | Alkaline Aqueous | Aluminum | 1 |
| Texo Corporation | Texolite 1734 XL | Alkaline Aqueous | Aluminum | 3 |
| Today & Beyond | Beyond-2001 | Alkaline Aqueous | Aluminum | 2 |
| Today & Beyond | Beyond-2001 | Alkaline Aqueous | Steel | 6 |
| Today & Beyond | Beyond-2002 | Alkaline Aqueous | Aluminum | 2 |
| Today & Beyond | Beyond-2003 | Alkaline Aqueous | Aluminum | 2 |
| Today & Beyond | Beyond-2004 | Alkaline Aqueous | Aluminum | 2 |
| Today & Beyond | Beyond-2005 | Alkaline Aqueous | Aluminum | 2 |
| Tower Products, Inc | Tower 270 Cleaner Concentrate | Alkaline Aqueous | Steel | 1 |
| Turco Products Inc | Turco 5948 DPM | Alkaline Aqueous | Aluminum | 3 |
| U.S. Polychem Corp. | 87 RB | Hydrocarbon | Aluminum | 1 |
| United Laboratories | United 450 All Clear | Alkaline Aqueous | Aluminum | 6 |
| United Laboratories | United 450 All Clear | Alkaline Aqueous | Steel | 6 |
| United Laboratories | United 450 All Clear | Enzymatic/ Microbial | Aluminum | 6 |
| United Laboratories | United 450 All Clear | Enzymatic/ Microbial | Steel | 6 |
| W.R. Grace & Co. | Daraclean 200 | Alkaline Aqueous | Aluminum | 1 |
| W.R. Grace & Co. | Daraclean 212 | Neutral Aqueous | Aluminum | 2 |
| Warren Chemical Co | Sea Wash 700 New | Neutral Aqueous | Aluminum | 6 |
| Warren Chemical Co | Sea Wash 700 New | Neutral Aqueous | Steel | 3 |
| Warren Chemical Co | Sea Wash 700 Old | Neutral Aqueous | Aluminum | 5 |
| Warren Chemical Co | Sea Wash 700 Old | Neutral Aqueous | Steel | 2 |
| Warren Chemical Co | Sea Wash 8 | Neutral Aqueous | Aluminum | 8 |
| Warren Chemical Co | Sea Wash 8 New | Neutral Aqueous | Aluminum | 4 |
| Watson Technical Associates | Watson Formula 7300 | Alkaline Aqueous | Aluminum | 2 |
| Watson Technical Associates | Watson Formula 9000 | Alkaline Aqueous | Aluminum | 2 |
| Westford Chemical Corporation | Biosolve | Neutral Aqueous | Aluminum | 6 |
| Westford Chemical Corporation | Biosolve | Neutral Aqueous | Steel | 3 |

Parameters

| Contaminant Description | Equipment Description | Substrate Description | Total |
|---|---|---|---|
| Cutting/ Tapping Fluids | Mechanical Agitation | Alloys | 80 |

# CLEANING LABORATORY EVALUATION SUMMARY

| | | | |
|---|---|---|---|
| Cutting/ Tapping Fluids | Mechanical Agitation | Aluminum | 167 |
| Cutting/ Tapping Fluids | Mechanical Agitation | Steel | 185 |
| Lubricating/ Lapping Oils | Mechanical Agitation | Alloys | 88 |
| Lubricating/ Lapping Oils | Mechanical Agitation | Aluminum | 183 |
| Lubricating/ Lapping Oils | Mechanical Agitation | Steel | 200 |
| Metal fines | Mechanical Agitation | Alloys | 2 |
| Metal fines | Mechanical Agitation | Aluminum | 2 |
| Metal fines | Mechanical Agitation | Steel | 2 |

Vendor List

| Parameters | Company Name | Product Name | Classification |
|---|---|---|---|
| 9 | Fine Organic Corporation | FO 2085 M | Alkaline Aqueous |
| 9 | Hubbard Hall Inc | Aquasonic 201 | Alkaline Aqueous |
| 6 | Bio Chem Systems | Bio T 200 A | Terpene |
| 6 | Bio Chem Systems | Bio T 300 B | Semi-Aqueous Terpene |
| 6 | Bio Chem Systems | Bio T Parts Washer NR | Terpene |
| 6 | Bio Chem Systems | Bio T V-50 | Terpene |
| 6 | Bio Chem Systems | Green Stuff (6325) | Alkaline Aqueous |
| 6 | Bio Chem Systems | SOLSAFE 245 | Petroleum Distillate |
| 6 | Brulin Corporation | Brulin 1990 GD | Alkaline Aqueous |
| 6 | Brulin Corporation | Formula 815 GD | Alkaline Aqueous |
| 6 | Cleaning Systems | Release | Alkaline Aqueous |
| 6 | Delta Omega Technologies Ltd | DOT 111/113 | Alkaline Aqueous |
| 6 | Dynamold Solvents, Inc. | DS-104 | Petroleum Distillate |
| 6 | Dynamold Solvents, Inc. | DS-108 | Petroleum Distillate |
| 6 | Ecolink | Heavy Weight Non Butyl Detergent | Alkaline Aqueous |
| 6 | Ecolink | Pinnacle | Neutral Aqueous |
| 6 | Environmental Services | TASC | Alkaline Aqueous |
| 6 | Gemtek Products | SC 1000 | Alkaline Aqueous |
| 6 | Gemtek Products | SC Aircraft & Metal Cleaner | Alkaline Aqueous |
| 6 | Gemtek Products | SC Supersolve | Organic |
| 6 | Hotsy Cleaning Systems | Hotsy Detergents Tub & | Alkaline Aqueous |

# CLEANING LABORATORY EVALUATION SUMMARY

| | | | |
|---|---|---|---|
| | | Pressure Wash | |
| 6 | Innovative Organics Inc | Amber Clean SC 11 | Neutral Aqueous |
| 6 | International Products Corp | LF 2100 | Alkaline Aqueous |
| 6 | ITW Fluid Products Group | Accu-Clean | Alkaline Aqueous |
| 6 | LPS Laboratories | LPS Precision Clean | Alkaline Aqueous |
| 6 | MacDermid | ND LF Supreme | Alkaline Aqueous |
| 6 | MacDermid | ND Supreme | Alkaline Aqueous |
| 6 | Mirachem Corporation | Mirachem 500 | Alkaline Aqueous |
| 6 | National Diagnostic | Histo Clear | Terpene |
| 6 | Oakite Products | Inproclean 3800 | Alkaline Aqueous |
| 6 | Quaker Chemical | FORMULA 97 | Alkaline Aqueous |
| 6 | Solvent Kleene, Inc. | D-Greeze 500 LO | Organic |
| 6 | System One Technologies | QSOL-100 | Petroleum Distillate |
| 6 | System One Technologies | QSOL-110 | Petroleum Distillate |
| 6 | Tarksol, Inc. | Tarksol Powergreen | Organic Alcohol |
| 6 | Today & Beyond | Beyond-2001 | Alkaline Aqueous |
| 6 | Today & Beyond | Beyond-2004 | Alkaline Aqueous |
| 6 | Today & Beyond | Beyond-2005 | Alkaline Aqueous |
| 6 | U.S. Polychem Corp. | Hydropurge 36 | Alkaline Aqueous |
| 6 | U.S. Polychem Corp. | Polychem 2000 P | Alkaline Aqueous |
| 6 | U.S. Polychem Corp. | Polychem A 2000 XS | Alkaline Aqueous |
| 6 | U.S. Polychem Corp. | Polychem Acra Strip 600 | Semi-Aqueous |
| 6 | U.S. Polychem Corp. | Polychem C-800 | Neutral Aqueous |
| 6 | U.S. Polychem Corp. | Polychem DE-144 | Petroleum Distillate |
| 6 | U.S. Polychem Corp. | Polychem DEOX 007 | Alkaline Aqueous |
| 6 | U.S. Polychem Corp. | Polychem Hydropurge 21 | Alkaline Aqueous |
| 6 | U.S. Polychem Corp. | Polychem Hydropurge 36 XS | Alkaline Aqueous |
| 6 | U.S. Polychem Corp. | Polychem Hydropurge XS-790 | Alkaline Aqueous |
| 6 | U.S. Polychem Corp. | Polychem Poly Tect 7BF | Petroleum Distillate |
| 6 | U.S. Polychem Corp. | Polychem QS-85 LO | Terpene Petroleum Distillate |
| 6 | | | |

# CLEANING LABORATORY EVALUATION SUMMARY

| | | | |
|---|---|---|---|
| | U.S. Polychem Corp. | Polychem RCC-25 | TerpenePetroleum Distillate |
| 6 | U.S. Polychem Corp. | Polyspray Jet 790 P | Alkaline Aqueous |
| 6 | U.S. Polychem Corp. | Polyspray Jet 790 XS | Alkaline Aqueous |
| 6 | U.S. Polychem Corp. | Polyspray Jet ST-21 | Alkaline Aqueous |
| 6 | Valtech Corporation | Valtron DP 97031 | Neutral Aqueous |
| 6 | W.R. Grace & Co. | Daraclean 121 | Alkaline Aqueous |
| 6 | W.R. Grace & Co. | Daraclean 211 | Alkaline Aqueous |
| 6 | W.R. Grace & Co. | Daraclean 232 | Alkaline Aqueous |
| 6 | W.R. Grace & Co. | Daraclean 236 | Neutral Aqueous |
| 6 | W.R. Grace & Co. | Daraclean 238 | Alkaline Aqueous |
| 6 | W.R. Grace & Co. | Daraclean 257 | Alkaline Aqueous |
| 6 | W.R. Grace & Co. | Daraclean 282 | Alkaline Aqueous |
| 6 | W.R. Grace & Co. | Daraclean 282 GF | Alkaline Aqueous |
| 6 | Warren Chemical Co | Sea Wash 700 New | Neutral Aqueous |
| 6 | Warren Chemical Co | Sea Wash Neutral | Neutral Aqueous |
| 4 | Abatement Technology | Bio Might 100 | Alkaline Aqueous |
| 4 | AG Environmental Products | Soy Gold 1000 | Organic |
| 4 | AG Environmental Products | Soy Gold 2000 | Organic |
| 4 | AGA Chemical | AK 225 | HCFC |
| 4 | AJ Associates | Gardoclean A5502 | Alkaline Aqueous |
| 4 | AJ Associates | Gardoclean A5503 | Alkaline Aqueous |
| 4 | Bio Chem Systems | Neutral Green (8020) | Alkaline Aqueous |
| 4 | Bo Chem Co | T 110 | Alkaline Aqueous |
| 4 | Branson | GP | Alkaline Aqueous |
| 4 | Brulin Corporation | 815 QR | Alkaline Aqueous |
| 4 | Brulin Corporation | Brulin 1696 PNC | Neutral Aqueous |
| 4 | Brulin Corporation | EXP 1400 | Alkaline Aqueous |
| 4 | Buckeye International | Shopmaster | Alkaline Aqueous |
| 4 | Buckeye International | Shopmaster LPH | Alkaline Aqueous |
| 4 | CAE Cleaning Technologies | Evercycle 2000 | Neutral Aqueous |
| 4 | Calgon Corporation | GP Xtra | Alkaline Aqueous |
| 4 | Calgon Corporation | SMS 9706 | Alkaline Aqueous |
| 4 | Chem Tech | CT 1 Multipurpose Cleaner | Alkaline Aqueous |

# CLEANING LABORATORY EVALUATION SUMMARY

| | | | |
|---|---|---|---|
| 4 | Chemical Technologies | Green Thunder | Alkaline Aqueous |
| 4 | Church & Dwight | Armaklean M Aero | Alkaline Aqueous |
| 4 | Church & Dwight | Armakleen M Auto | Alkaline Aqueous |
| 4 | CRC Industries | Complex Blue | Semi-Aqueous |
| 4 | DA Stuart Co | Dasco Kleen 3250 | Alkaline Aqueous |
| 4 | Delta Omega Technologies Ltd | Attar D(R3) | Alkaline Aqueous |
| 4 | Dow Chemical Company | PnB Glycol Ether | Alcohol |
| 4 | Dow Chemical Company | XUS 40570 Development Solvent | Alcohol |
| 4 | Dow Chemical Company | XUS 40571 Development Solvent | Alcohol |
| 4 | Dow Chemical Company | XUS 40579 Development Solvent | Alcohol |
| 4 | Ecolink | Universal Steam Cleaner | Alkaline Aqueous |
| 4 | Ecolink | Vortex | Semi-Aqueous |
| 4 | Equinox | Natural Solutions | Terpene |
| 4 | Finger Lakes Chemicals | 2-22 d-Limonene | Alkaline Aqueous |
| 4 | Finger Lakes Chemicals | 3-D Degeaser | Terpene |
| 4 | Heatbath Corporation | Multi-Kleen 1568 | Alkaline Aqueous |
| 4 | Heatbath Corporation | Power Wash Cleaner BCR | Alkaline Aqueous |
| 4 | Houghton International | Certa Kleen 5387 | Alkaline Aqueous |
| 4 | Hubbard Hall Inc | Ram Charger | Alkaline Aqueous |
| 4 | Hurri Kleen | Hot Immersion Degreaser | Alkaline Aqueous |
| 4 | JDI, Inc. | Mirachem 500 RTU | Alkaline Aqueous |
| 4 | Kleer Flo Company | Grease Off 2 | Alkaline Aqueous |
| 4 | Kyzen Corporation | Metalnox 6304 | Alkaline Aqueous |
| 4 | MacDermid | ND 17 | Alkaline Aqueous |
| 4 | New Pig Corporation | Hoofmark All Purpose Cleaner & Degreaser | Alkaline Aqueous |
| 4 | New Pig Corporation | Hoofmark Industrial Cleaner | Caustic |
| 4 | Oakite Products | Fisan Versaclean | Alkaline Aqueous |
| 4 | Oakite Products | Inproclean 1300 | Alkaline Aqueous |
| 4 | Oakite Products | Inproclean 2000 | Alkaline Aqueous |
| 4 | | | Alkaline Aqueous |

# CLEANING LABORATORY EVALUATION SUMMARY

| | | | |
|---|---|---|---|
| | Oakite Products | Inproclean 2300 | |
| 4 | Oakite Products | Okemclean | Caustic |
| 4 | Petroferm Inc | Bioact 50 | Neutral Aqueous |
| 4 | S & S Industrial Services | SPRAY CLEAN 400 T | Alkaline Aqueous |
| 4 | Safe Science | Safe Science All Purpose (Industrial) | Alkaline Aqueous |
| 4 | Safe Science | Safe Science Concrete/ Graffiti (Industrial) | Alkaline Aqueous |
| 4 | Safe Science | Safe Science Engine Degreaser (Industrial) | Terpene |
| 4 | Savogran | Dirtex Prepaint Cleaner | Alkaline Aqueous |
| 4 | Simple Green | All Purpose Cleaner/ Degreaser | Alkaline Aqueous |
| 4 | Simple Green | Crystal Simple Green Industrial Cleaner | Alkaline Aqueous |
| 4 | Simple Green | Simple GreenD | Alkaline Aqueous |
| 4 | Sky Products Co., Inc. | Cleaner #10 | Alkaline Aqueous |
| 4 | Solvent Kleene, Inc. | D-Greeze GL 46 | Alkaline Aqueous |
| 4 | Solvent Kleene, Inc. | D-Greeze GL 55 | Alkaline Aqueous |
| 4 | System One Technologies | QSOL-200 | Organic |
| 4 | System One Technologies | QSOL-220 | Organic |
| 4 | Tarksol, Inc. | Tarksol HTF-40 | Organic Alcohol |
| 4 | Tarksol, Inc. | Tarksol NPB | Organic |
| 4 | Tarksol, Inc. | Tarksol Oilsolv | Organic Alcohol |
| 4 | Tech Spray | Concentrated Aqueous Defluxer | Caustic |
| 4 | Texo Corporation | Texolite 1734 XL | Alkaline Aqueous |
| 4 | Today & Beyond | Beyond-2002 | Alkaline Aqueous |
| 4 | Today & Beyond | Beyond-2003 | Alkaline Aqueous |
| 4 | Today & Beyond | Beyond-2006 | Alkaline Aqueous |
| 4 | Today & Beyond | Beyond-2007 | Alcohol |
| 4 | Tomah Products | Tomadyne 102 | Neutral Aqueous |
| 4 | Tomah Products | Tomadyne Mix | Neutral Aqueous |
| 4 | U.S. Polychem Corp. | 87 RB | Hydrocarbon |
| 4 | U.S. Polychem Corp. | PXP | Semi-Aqueous |

# CLEANING LABORATORY EVALUATION SUMMARY

| | | | |
|---|---|---|---|
| 4 | United Laboratories | United 2002 Harvest Gold | Semi-Aqueous |
| 4 | United Laboratories | United 450 All Clear | Enzymatic/ Microbial |
| 4 | Valtech Corporation | Valtron SP 2275 | Neutral Aqueous |
| 4 | Valtech Corporation | Valtron SP 2500 | Alkaline Aqueous |
| 4 | Valtech Corporation | Valtron SP 2700-KB | Acidic Aqueous |
| 4 | W.R. Grace & Co. | Daraclean 200 | Alkaline Aqueous |
| 4 | W.R. Grace & Co. | Daraclean 212 | Neutral Aqueous |
| 4 | W.R. Grace & Co. | Daraclean 235 | Neutral Aqueous |
| 4 | Warren Chemical Co | Sea Wash 8 | Neutral Aqueous |
| 4 | Watson Technical Associates | Watson Formula 7300 | Alkaline Aqueous |
| 4 | Watson Technical Associates | Watson Formula 9000 | Alkaline Aqueous |
| 4 | Watson Technical Associates | Watson Formula 9001-CP | Alkaline Aqueous |
| 3 | Chrisal USA, Inc. | Super CMF 240 | Alkaline Aqueous |
| 3 | Ecolink | Positron | Organic |
| 3 | Ecolink | Rip-Tide | Terpene |
| 3 | Enviro-Safe Services, Inc. | Aluminum De-Oxidizer 662 | Neutral Aqueous |
| 3 | Enviro-Safe Services, Inc. | Neutral Rust Remover 232 | Neutral Aqueous |
| 3 | Enviro-Safe Services, Inc. | Yellow Metal De-Tarnish 170 | Neutral Aqueous |
| 3 | Permatex Industrial Corporation | Natural Blue | Alkaline Aqueous |
| 3 | U.S. Polychem Corp. | Polychem PW-147 | Alkaline Aqueous |
| 3 | U.S. Polychem Corp. | Polychem Ultra-CR | Alkaline Aqueous |
| 2 | AJ Associates | Dynadet | Caustic |
| 2 | Alconox, Inc. | Alcojet | Powder Detergent Alkaline |
| 2 | Alconox, Inc. | Detergent 8 | Alkaline Aqueous |
| 2 | Alconox, Inc. | Luminox | Neutral Aqueous |
| 2 | Ardrox | 6333 | Caustic |
| 2 | Broco Products Inc. | The Stuff for Steel | Acidic Aqueous |
| 2 | Buckeye International | Shopmaster FF | Alkaline Aqueous |
| 2 | Calgon Corporation | Geo Guard 2000 | Alkaline Aqueous |
| 2 | Calgon Corporation | SMS 206 K | Alkaline Aqueous |
| 2 | Diversey | Dusqueeze | Semi-Aqueous |
| 2 | Drummond American | Clout | Semi-Aqueous |
| 2 | Drummond American | Keynote | Neutral Aqueous |

# CLEANING LABORATORY EVALUATION SUMMARY

| | | | |
|---|---|---|---|
| 2 | Drummond American | Sovereign | Alkaline Aqueous |
| 2 | Eastern Color and Chemical Co | Ecobrite Cleaner AK | Alkaline Aqueous |
| 2 | Hazwell International | Biosolve | Neutral Aqueous |
| 2 | Oakite Products | Inproclean 61 B | Powder Detergent |
| 2 | T & D Finishing Co | TD 110 | Alkaline Aqueous |
| 2 | Tarksol, Inc. | Tarksol Aqua Kleen Citric | Organic Alcohol |
| 2 | Tarksol, Inc. | Tarksol HTF-7 | Organic Alcohol |
| 2 | Tower Products, Inc | Tower 270 Cleaner Concentrate | Alkaline Aqueous |
| 2 | Turco Products Inc | Turco 5948 DPM | Alkaline Aqueous |
| 2 | U.S. Polychem Corp. | Polyspray Jet 790 C | Caustic |
| 2 | Valtech Corporation | Valtron SP 2200 | Alkaline Aqueous |
| 2 | Valtech Corporation | Valtron SP 2250-2LF | Alkaline Aqueous |
| 2 | Valtech Corporation | Valtron SP 2270 | Alkaline Aqueous |
| 2 | Valtech Corporation | Valtron SP 2600 | Neutral Aqueous |
| 2 | Valtech Corporation | Valtron SP 2610 | Neutral Aqueous |
| 2 | W.R. Grace & Co. | Daraclean 203 | Caustic |
| 2 | W.R. Grace & Co. | Daraclean 283 | Alkaline Aqueous |
| 2 | Warren Chemical Co | Sea Wash Cleaner | Alkaline Aqueous |
| 2 | Watson Technical Associates | Drain Away | Alkaline Aqueous |
| 2 | Watson Technical Associates | Formula 7007 Non-Freeze | Alkaline Aqueous |
| 2 | Westford Chemical Corporation | Biosolve | Neutral Aqueous |
| 1 | Broco Products Inc. | The Stuff for Aluminum | Acidic Aqueous |
| 1 | Heatbath Corporation | Alu-Kleen 36 | Acidic Aqueous |

Summary:

Conclusion: Cleaning projects vary from case-to-case. To obtain more detailed information about any of the products listed, contact the lab at (978)934-3133.