

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2001  
DateRun: 09/13/2001  
Experimenters: Jason Marshall  
ClientType: Metal  
ProjectNumber: Project #1  
Substrates: Stainless Steel  
PartType: Coupon  
Contaminants: Cutting/Tapping Fluids, Lubricating/Lapping Oils, Oil  
Cleaning Methods:  
Analytical Methods:  
Purpose: Information request

Experimental Procedure: Purpose: Would like to use SCL's database to find what cleaning agent to use to clean Moly-Dee Tapping Fluid from stainless steel.  
ExperimentalProcedure: The laboratory's database was used to identify products that have been used to remove oil from stainless steel surfaces.  
Contaminants: Castrol Industrial North America Moly-Dee Tapping Fluid (61788-76-9, 64741-96-4)

Results: The specified tapping fluid has not been studied in the laboratory.

| Manufacturer              | Product                    | Classification       | SCL #        |
|---------------------------|----------------------------|----------------------|--------------|
| Alconox Inc               | Det O Jet                  | Alkaline aqueous     | 99-0311-05-0 |
| ARDROX                    | 6333                       | Alkaline aqueous     | 96-449-02-2  |
| AW CHESTERTON             | KPC 820 N                  | Alkaline aqueous     | 95-410-03-2  |
| AW CHESTERTON             | KPC 820 N                  | Alkaline aqueous     | 99-792-03-2  |
| AW CHESTERTON             | KPC 820 N                  | Alkaline aqueous     | 99-792-04-4  |
| Baum's Castorine Co Inc   | EZE Oil and Grease Cleaner | Semi Aqueous-Terpene | 99-0311-05-0 |
| BRANSON                   | GP                         | Alkaline aqueous     | 99-6100-02-2 |
| Brulin                    | 815 GD                     | Alkaline Aqueous     | 96-449-02-2  |
| Brulin                    | 815 GD                     | Alkaline Aqueous     | 99-6100-05-4 |
| Buckeye International Inc | SHOPMASTER                 | Alkaline Aqueous     | 96-425-01-2  |
| Calgon Corporation        | AK 6215                    | Alkaline Aqueous     | 96-449-02-2  |
| Calgon Corporation        | Geo Guard 2215             | Alkaline Aqueous     | 99-792-03-2  |
| Calgon Corporation        | Geo Guard 2215             | Alkaline Aqueous     | 99-792-04-4  |
| CHEM FREE CORPORATION     | Ozzy Juice SW 1            | Neutral Aqueous      | 00-8144-01-4 |
| CHEM FREE CORPORATION     | Ozzy Juice SW 3            | Neutral Aqueous      | 00-8144-01-4 |
| Church & Dwight CO        | CHURCH & DWIGHT            |                      | 97-549-01-2  |
| Diversity Corp            | Twist                      | Solvent              | 99-0311-21-0 |
| Ecolink Inc               | VORTEX                     | Semi-Aqueous Terpene | 97-538-07-3  |

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|--------------------------------|--------------------------------|----------------------|--------------|
| Ecolink Inc                    | VORTEX                         | Semi-Aqueous Terpene | 99-692-02-2  |
| EnviroSolutions Inc            | BIO T MAX                      | Semi-Aqueous Terpene | 99-707-10-3  |
| EnviroSolutions Inc            | 300 B                          | Semi-Aqueous Terpene | 99-0311-29-0 |
| EnviroSolutions Inc            | Bio T 200 A                    | Semi-Aqueous Terpene | 00-0311-55-0 |
| EnviroSolutions Inc            | Bio T V 50                     | Semi-Aqueous Terpene | 00-0311-52-0 |
| EnviroSolutions Inc            | Green Stuff                    | Alkaline aqueous     | 00-0311-55-0 |
| Fine Organic Corporation       | FO 2085 M                      | Alkaline Aqueous     | 97-547-01-2  |
| Fine Organic Corporation       | FO 2085 M                      | Alkaline Aqueous     | 97-547-02-2  |
| Finger Lakes Chemicals         | 1-1-2                          | Tarksol 97 Solvent   | 00-0311-46-0 |
| Finish Line Technologies Inc   | Biodegradable Citrus Degreaser | Semi Aqueous-Terpene | 99-0311-33-0 |
| Gemtek Products                | SC Aircraft & Metal Cleaner    | Alkaline Aqueous     | 99-6100-02-2 |
| Gemtek Products                | SC Super Solve                 | Organic              | 00-0311-47-0 |
| Heatbath Corporation           | Alukleen 36                    | Acidic               | 00-8135-01-4 |
| Heatbath Corporation           | Alukleen 36                    | Acidic               | 00-0311-55-0 |
| Heatbath Corporation           | Multikleen 1568                | Alkaline aqueous     | 00-8135-01-4 |
| Heatbath Corporation           | Multikleen 1568                | Alkaline aqueous     | 00-0311-53-0 |
| Heatbath Corporation           | Powerwash Clean BCR            | Alkaline aqueous     | 00-8135-01-4 |
| Heatbath Corporation           | Powerwash cleaner BCR          | Alkaline aqueous     | 00-0311-55-0 |
| Inland Technologies Inc        | Teksol                         | D-Limonene Solvent   | 99-0311-19-0 |
| International Biosystems Inc   | Bio Z                          | Acidic Microbial     | 99-0311-01-0 |
| ISP Technologies               | Safe Strip Resin Cleaner       | Terpene              | 99-0311-05-0 |
| MACDERMID                      | ND 17                          | Alkaline Aqueous     | 97-549-01-2  |
| MACDERMID                      | ND 17                          | Alkaline Aqueous     | 97-549-02-4  |
| Man Gill Chemical              | Gillite 160 X                  | Alkaline Aqueous     | 99-0311-01-0 |
| Master Chemical Corporation    | Trim Rinse 100                 | Alkaline Aqueous     | 99-0311-01-0 |
| Master Chemical Corporation    | Trim Rinse 200                 | Alkaline Aqueous     | 99-0311-05-0 |
| Matchless Metal Polish Company | MC 580                         | Alkaline Aqueous     | 99-6100-02-2 |
| Matchless Metal Polish Company | MC 580                         | Alkaline Aqueous     | 99-6100-03-4 |

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|                                    |                               |                      |              |
|------------------------------------|-------------------------------|----------------------|--------------|
| Mirachem Corporation               | Mirachem 500                  | Alkaline Aqueous     | 00-0311-45-0 |
| New Pig Corporation                | Degreaser                     | Semi Aqueous-Terpene | 99-7103-04-4 |
| New Pig Corporation                | Degreaser                     | Semi Aqueous-Terpene | 99-0311-26-0 |
| New Pig Corporation                | Hoofmark All Purpose          | Alkaline aqueous     | 99-7103-05-4 |
| New Pig Corporation                | Hoofmark All Purpose          | Alkaline aqueous     | 99-0311-26-0 |
| New Pig Corporation                | Hoofmark Industrial Degreaser | Semi Aqueous-Terpene | 99-7103-05-4 |
| New Pig Corporation                | Hoofmark Industrial Degreaser | Semi Aqueous-Terpene | 99-0311-26-0 |
| North American Bio Industries Corp | NAB                           | Alkaline aqueous     | 99-0311-20-0 |
| Novomax Technologies Inc           | Spectrum APC                  | Alkaline Aqueous     | 99-0311-01-0 |
| Oakite Products Inc                | INPROCLEAN 4000 T             | Semi-Aqueous Terpene | 97-538-07-3  |
| Oakite Products Inc                | #NFH2002                      | Alkaline Aqueous     | 99-0311-05-0 |
| Oakite Products Inc                | Citridet                      | Citrus Solvent       | 00-0311-47-0 |
| Oakite Products Inc                | Inproclean 2500               | Alkaline Powder      | 99-0311-39-0 |
| Oakite Products Inc                | Inproclean 3800               | Alkaline Aqueous     | 97-549-01-2  |
| Oakite Products Inc                | Inproclean 3800               | Alkaline Aqueous     | 99-6100-02-2 |
| Oakite Products Inc                | Inproclean 3800               | Alkaline Aqueous     | 99-7102-04-4 |
| Oakite Products Inc                | INPROCLEAN 4000 T             | Semi-Aqueous Terpene | 99-692-02-2  |
| Oakite Products Inc                | Oakite 77                     | Alkaline Powder      | 99-0311-17-0 |
| Oakite Products Inc                | Oakite Low Heat Cleaner       | Caustic              | 99-0311-17-0 |
| Safe Science                       | Safe Science All Purpose      | Alkaline aqueous     | 99-0311-24-0 |
| Safe Science                       | Safe Science Engine Degreaser | Terpene              | 99-7111-02-4 |
| Safe Science                       | Safe Science Engine Degreaser | Terpene              | 99-0311-24-0 |
| Safety Kleen Corporation           | GREEN SOLVENT                 |                      | 96-425-01-2  |
| Savogran Company                   | Dirtex Prepaint Cleaner       | Alkaline Aqueous     | 99-6100-02-2 |
| Savogran Company                   | Dirtex Prepaint Cleaner       | Alkaline Aqueous     | 99-0311-01-0 |
| Savogran Company                   | Dirtex Prepaint Cleaner       | Alkaline Aqueous     | 99-0311-06-0 |
| Solvent Kleene Inc                 | D Greeze 500 LO               | Hydrocarbon Solvent  | 97-538-07-3  |
| Solvent Kleene Inc                 | D Greeze 500 LO               | Hydrocarbon Solvent  | 99-692-02-2  |

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|-----------------------------|---------------------|----------------------|--------------|
| Tarksol Incorporated        | HTF 10 B            | Semi Aqueous-Terpene | 96-425-01-2  |
| Today & Beyond              | 2001                | Alkaline Aqueous     | 00-0311-56-0 |
| Today & Beyond              | 2002                | Alkaline Aqueous     | 00-0311-56-0 |
| Today & Beyond              | 2003                | Alkaline Aqueous     | 00-0311-56-0 |
| Today & Beyond              | 2004                | Alkaline Aqueous     | 00-0311-56-0 |
| Twin Rivers Corp            | METHYL ESTER 1618   | Methyl Ester         | 99-692-02-2  |
| US Polychemical Corp        | Polyspray Jet 790 P | Alkaline Aqueous     | 99-695-03-3  |
| US Polychemical Corp        | Polyspray Jet 790 P | Alkaline Aqueous     | 99-792-03-2  |
| Valtech Corporation         | Valtron SP2250 2LF  | Alkaline Aqueous     | 99-0311-28-0 |
| Warren Chemical Corporation | Sea Wash 700        | Neutral Aqueous      | 00-7130-01-4 |
| Warren Chemical Corporation | Sea Wash 700        | Neutral Aqueous      | 00-0311-52-0 |
| Warren Chemical Corporation | Sea Wash 700 N      | Neutral Aqueous      | 00-7130-01-4 |
| Warren Chemical Corporation | Sea Wash Dispersant | Alkaline Aqueous     | 99-6100-02-2 |
| Warren Chemical Corporation | Sea Wash Dispersant | Alkaline Aqueous     | 99-6100-03-4 |
| Warren Chemical Corporation | Sea Wash Dispersant | Alkaline Aqueous     | 99-0311-01-0 |
| WATER                       | WATER               | Neutral Aqueous      | 99-6100-02-2 |
| WR Grace & Co Conn          | Daraclean 212       | Alkaline Aqueous     | 97-549-01-2  |
| WR Grace & Co Conn          | Daraclean 212       | Alkaline Aqueous     | 00-0311-48-0 |
| WR Grace & Co Conn          | DARACLEAN 282       | Alkaline Aqueous     | 97-540-03-2  |
| WR Grace & Co Conn          | DARACLEAN 282       | Alkaline Aqueous     | 98-540-04-4  |
| WR Grace & Co Conn          | DARACLEAN 282 GF    | Alkaline Aqueous     | 97-547-01-2  |
| WR Grace & Co Conn          | DARACLEAN 282 GF    | Alkaline Aqueous     | 97-547-02-2  |
| WR Grace & Co Conn          | DARACLEAN 282 GF    | Alkaline Aqueous     | 97-547-03-4  |
| WR Grace & Co Conn          | DARACLEAN 282 GF    | Alkaline Aqueous     | 97-547-04-4  |
| WR Grace & Co Conn          | DARACLEAN 283       | Alkaline Aqueous     | 95-410-01-2  |
| WR Grace & Co Conn          | DARAGUARD 416       | Rinse Aid            | 97-547-04-4  |

Summary:

Conclusion:

Cleaning projects vary from case-to-case. To identify a specific cleaning agent, testing with any of the above listed products should be performed. If you would like the SCL to perform this testing, please contact the lab at (978)934-3133 to arrange delivery of parts and samples of specific contaminants.