# CLEANING LABORATORY EVALUATION SUMMARY

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|---|---|
| SCL #: | 2004 |
| DateRun: | 09/06/2004 |
| Experimenters: | Jason Marshall |
| ClientType: | General |
| ProjectNumber: | Project #1 |
| Substrates: | Aluminum, Copper, Stainless Steel, Steel |
| PartType: | Coupon |
| Contaminants: | Coatings, Asphalt |
| Cleaning Methods: | Manual Wipe |
| Analytical Methods: | |
| Purpose: | To generate a list of products that could be used to clean asphalt based coating from equipment |
| Experimental Procedure: | Using the laboratory's database for solvent cleaning substitution, the lab generated the following lists of products based on laboratory testing and vendor supplied information. |
| Results: | Two companies have worked with the lab in the past for asphalt related cleaning. Copies of those reports have been sent for review. In addition, SSL generated a list of products that are recommended by vendors for cleaning asphalt from various metal surfaces. Based on supplied information about the nature of the parts, ultrasonic cleaning may prove to be an effective and time saving method for cleaning the described parts. The two lists below are for products that can and can not be used in ultrasonic equipment. |

Contaminant: Asphalt
Substrate: Aluminum, copper, stainless steel and steel
Equipment: Ultrasonics

| Company | Product | Classification |
|---|---|---|
| 3M | HFE 71 De | HFE |
| 3M | HFE 7100 | HFE |
| 3M | HFE 7200 | HFE |
| Bio Chem Systems | Bio T Foam Plus | Terpene |
| CRC Industries | Complex Blue | Semi-Aqueous |
| Dow Chemical Company | OS 10 | Volatile Methyl Siloxanes |
| Dow Chemical Company | OS 20 | Volatile Methyl Siloxanes |
| Dow Chemical Company | OS 30 | Volatile Methyl Siloxanes |
| Du Pont | DBE 3 | Ester |
| Du Pont | Vertrel CCA | HFE |
| Du Pont | Vertrel MCA | HFE |
| Ecolink | Vortex | Semi-Aqueous |
| Enviro Tech Int. | Ensolv | nPB |
| Enviro Tech Int. | Ensolv A | nPB |
| Kyzen Corporation | Metalnox M6960 | nPB |
| Metabolix Inc | Metabolix E3HB | Ester |
| Micro Care | Flux Remover C | HFE |
| Micro Care | Heavy Duty Degreaser C | HFE |
| Poly Systems USA Inc | Solvon IP | nPB |
| Poly Systems USA Inc | Solvon PB | nPB |
| Vertec BioSolvents | VertecBio Gold 2 | Organic |

# CLEANING LABORATORY EVALUATION SUMMARY

Contaminant: Asphalt
Substrates: Aluminum, copper, stainless steel or steel
Equipment: Any

| Company Name | Product Name | Classification |
|---|---|---|
| Calgon Corporation | Geo Guard 5210 | Semi-Aqueous |
| Pentone Corporation | Citrikleen XPC | Terpene-Semi-Aqueous |
| Petroferm Inc | Lenium CP | nPB |
| Petroferm Inc | Lenium ES | nPB |
| Petroferm Inc | Lenium GS | nPB |
| Safe CleanUp | Super Neutral | Enzymatic/ Microbial |
| Tarksol Inc | Asphalt Release | Terpene |
| US Polychem Corp | 87 RB | Hydrocarbon |

Summary:

| **Substrates:** | Aluminum, Copper, Stainless Steel, Steel | | | | |
|---|---|---|---|---|---|
| **Contaminants:** | Coatings, Asphalt | | | | |
| **Company Name:** | **Product Name:** | **Conc.:** | **Efficiency:** | **Effective:** | **Observations:** |
| No Specific Vendor | Supplied alternatives list | | 0.00 | ☐ | |

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.