

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1998

DateRun: 10/08/1998

Experimenters: Jason Marshall

ClientType: Consultant

ProjectNumber: Project #1

Substrates: Steel

PartType: Coupon

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

Cleaning Methods:

Analytical Methods:

Purpose: Interested in any material on degreasing of mechanical parts

Experimental Procedure: QUESTION ASKED: Interested in any material on degreasing of mechanical parts, what are some of the alternatives to perchloroethylene.
SUBSTRATE MATERIAL: Mechanical Parts (stainless steel)

Results: RESPONSE/ANSWER: In 1998, the Massachusetts Toxics Use Reduction Institute (TURI) will publish the results of the tests conducted at the Institutes Surface Cleaning Laboratory (SCL) in a searchable database/spreadsheet format. This should make alternative cleaner selection faster and easier. Here are the results of your query, based on the information supplied:

| SCL # | Substrate | Contaminant | Process | Cleaner |
|-------------|-----------|-------------|-------------|---------------------|
| 95-410-01-2 | SS | OIL | ULTRASONICS | WR GRACE |
| 95-410-03-2 | SS | OIL | SPRAY | AW CHESTERTON |
| 96-425-01-2 | SS | GREASE | IMMERSION | SAFETY KLEENE |
| 96-425-01-2 | SS | GREASE | IMMERSION | TWIN RIVER |
| 96-425-01-2 | SS | OIL | IMMERSION | BUCKEYE |
| 96-425-01-2 | SS | OIL | IMMERSION | SAFETY KLEENE |
| 96-425-01-2 | SS | OIL | IMMERSION | TSQUARE |
| 96-449-02-2 | SS | OIL | IMMERSION | ARDROX |
| 96-449-02-2 | SS | OIL | IMMERSION | BRULIN |
| 96-449-02-2 | SS | OIL | IMMERSION | CALGON |
| 97-538-07-3 | SS | GREASE | IMMERSION | ECOLINK |
| 97-538-07-3 | SS | GREASE | IMMERSION | OAKITE |
| 97-538-07-3 | SS | GREASE | IMMERSION | SOLVENT KLEENE |
| 97-538-07-3 | SS | OIL | IMMERSION | ECOLINK |
| 97-538-07-3 | SS | OIL | IMMERSION | OAKITE |
| 97-538-07-3 | SS | OIL | IMMERSION | SOLVENT KLEENE |
| 97-540-03-2 | SS | OIL | ULTRASONICS | WR GRACE |
| 97-547-01-2 | SS | OIL | ULTRASONICS | FINE ORGANICS |
| 97-547-01-2 | SS | OIL | ULTRASONICS | WR GRACE |
| 97-548-04-2 | SS | GREASE | SPRAY | ALCONOX |
| 97-549-01-2 | SS | OIL | ULTRASONICS | CHURCH & DWIGHT |
| 97-549-01-2 | SS | OIL | ULTRASONICS | GENERAL CHEMICAL |
| 97-549-01-2 | SS | OIL | ULTRASONICS | MACDERMID |
| 97-549-01-2 | SS | OIL | ULTRASONICS | OAKITE |
| 97-549-01-2 | SS | OIL | ULTRASONICS | WR GRACE |
| 98-540-04-4 | SS | OIL | ULTRASONICS | WR GRACE |

Summary:

Conclusion:

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Cleaning projects vary from case-to-case. To obtain more detailed information about any of the listed trials, have the SCL # ready when contacting the lab at (978)934-3133.