

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1998
 DateRun: 11/20/1998
 Experimenters: Jason Marshall
 ClientType: General
 ProjectNumber: Project #1
 Substrates: Plastic
 PartType: Coupon
 Contaminants: Cutting/Tapping Fluids, Lubricating/Lapping Oils, Oil
 Cleaning Methods:
 Analytical Methods:
 Purpose: Second search

Experimental Procedure: SUBSTRATE MATERIAL: Machinery
 QUESTION ASKED: Looking for a fluid type of cleaning machinery for complex polymer die pieces.
 Conventional oxidative high temperature methods are not working well.

Results: RESPONSE/ANSWER: In 1998, the Massachusetts Toxics Use Reduction Institute (TURI) will publish the results of the tests conducted at the Institute's 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 |
|-------------|-----------|--------------|---------------------|------------------------|
| 95-404-02-2 | PLASTIC | FINGERPRINTS | ULTRASONICS | VALTECH |
| 95-404-02-2 | PLASTIC | OIL | ULTRASONICS | VALTECH |
| 95-404-03-2 | PLASTIC | FINGERPRINTS | ULTRASONICS | WARREN CHEMICAL |
| 95-404-03-2 | PLASTIC | OIL | ULTRASONICS | WARREN CHEMICAL |
| 97-541-01-1 | PLASTIC | ADHESIVE | MANUAL | BRULIN |
| 97-541-01-1 | PLASTIC | ADHESIVE | MANUAL | LOCTITE |
| 97-541-02-2 | PLASTIC | ADHESIVE | MANUAL | EASTERN COLOR |
| 97-541-02-2 | PLASTIC | ADHESIVE | MANUAL | ISOPROPYL ALCOHOL |
| 97-541-02-2 | PLASTIC | ADHESIVE | MANUAL | T-SQUARE |
| 96-423-02-2 | PLASTIC | INK | IMMERSION | MACDERMID |
| 96-423-02-2 | PLASTIC | INK | IMMERSION | MIRACHEM |
| 94-468-03-2 | PLASTIC | MR AGENT | SPRAY CEAN 400 T | S & S INDUSTRIAL |
| 98-541-03-2 | PLASTIC | ADHESIVE | MANUAL | OAKITE |
| 98-541-03-2 | PLASTIC | ADHESIVE | MANUAL | INLAND TECHNOLOGIES |
| 98-541-03-2 | PLASTIC | ADHESIVE | MANUAL | SOLVENT KLEENE |
| 98-541-03-2 | PLASTIC | ADHESIVE | MANUAL | ENVIROSOLUTIONS |
| 98-559-04-2 | PLASTIC | INK | IMMERSION | OAKITE |
| 98-559-04-2 | PLASTIC | PAINT | IMMERSION | OAKITE |
| 98-559-04-2 | PLASTIC | INK | IMMERSION | BRULIN |
| 98-559-04-2 | PLASTIC | PAINT | IMMERSION | BRULIN |
| 98-559-04-2 | PLASTIC | INK | IMMERSION | CHRISAL USA |
| 98-559-04-2 | PLASTIC | PAINT | IMMERSION | CHRISAL USA |

Summary:

Conclusion: 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.