

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1999

DateRun: 03/01/1999

Experimenters: Jason Marshall

ClientType: TUR Agency

ProjectNumber: Project #1

Substrates:

PartType: Coupon

Contaminants:

Cleaning Methods:

Analytical Methods:

Purpose: Information request for replacing isopropyl alcohol and acetone.

Experimental Procedure: QUESTION ASKED: Looking for a list of possible replacements for isopropyl alcohol or acetone.

Results: RESPONSE/ANSWER: The Massachusetts Toxics Use Reduction Institute (TURI) has made the results of the tests conducted at the Institute's Surface Cleaning Laboratory (SCL) into 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     | Manufacturer        | Product         |
|-------------|-----------|--------------|-------------|---------------------|-----------------|
| 97-541-01-1 | PLASTIC   | ADHESIVE     | MANUAL      | BRULIN              | COMPLIANCE      |
| 97-541-01-1 | PLASTIC   | ADHESIVE     | MANUAL      | LOCTITE             | 7360            |
| 98-557-01-2 | AL        | OIL          | ULTRASONICS | MATCHLESS           | MC 580          |
| 98-557-01-2 | AL        | DUST         | ULTRASONICS | MATCHLESS           | MC 580          |
| 98-557-01-2 | AL        | DIRT         | ULTRASONICS | MATCHLESS           | MC 580          |
| 98-557-01-2 | STEEL     | OIL          | ULTRASONICS | MATCHLESS           | MC 580          |
| 98-557-01-2 | STEEL     | DUST         | ULTRASONICS | MATCHLESS           | MC 580          |
| 98-557-01-2 | STEEL     | DIRT         | ULTRASONICS | MATCHLESS           | MC 580          |
| 98-557-01-2 | AL        | OIL          | ULTRASONICS | US POLYCHEM         | 2000 XS         |
| 98-557-01-2 | AL        | DUST         | ULTRASONICS | US POLYCHEM         | 2000 XS         |
| 98-557-01-2 | AL        | DIRT         | ULTRASONICS | US POLYCHEM         | 2000 XS         |
| 98-557-01-2 | STEEL     | OIL          | ULTRASONICS | US POLYCHEM         | 2000 XS         |
| 98-557-01-2 | STEEL     | DUST         | ULTRASONICS | US POLYCHEM         | 2000 XS         |
| 98-557-01-2 | STEEL     | DIRT         | ULTRASONICS | US POLYCHEM         | 2000 XS         |
| 98-557-01-2 | AL        | OIL          | ULTRASONICS | OAKITE              | INPROCLEAN 3800 |
| 98-557-01-2 | AL        | DUST         | ULTRASONICS | OAKITE              | INPROCLEAN 3800 |
| 98-557-01-2 | AL        | DIRT         | ULTRASONICS | OAKITE              | INPROCLEAN 3800 |
| 98-557-01-2 | STEEL     | OIL          | ULTRASONICS | OAKITE              | INPROCLEAN 3800 |
| 98-557-01-2 | STEEL     | DUST         | ULTRASONICS | OAKITE              | INPROCLEAN 3800 |
| 98-557-01-2 | STEEL     | DIRT         | ULTRASONICS | OAKITE              | INPROCLEAN 3800 |
| 98-557-01-2 | AL        | FINGERPRINTS | ULTRASONICS | MATCHLESS           | MC 580          |
| 98-557-01-2 | STEEL     | FINGERPRINTS | ULTRASONICS | MATCHLESS           | MC 580          |
| 98-557-01-2 | AL        | FINGERPRINTS | ULTRASONICS | US POLYCHEM 2000 XS |                 |

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|             |        |              |             |                           |                    |
|-------------|--------|--------------|-------------|---------------------------|--------------------|
| 98-557-01-2 | STEEL  | FINGERPRINTS | ULTRASONICS | US<br>POLYCHEM<br>2000 XS |                    |
| 98-557-01-2 | AL     | FINGERPRINTS | ULTRASONICS | OAKITE                    | INPROCLEAN<br>3800 |
| 98-557-01-2 | STEEL  | FINGERPRINTS | ULTRASONICS | OAKITE                    | INPROCLEAN<br>3800 |
| 98-675-03-2 | NICKEL | COATING      | IMMERSION   | WATER                     | WATER              |
| 98-675-03-2 | COPPER | COATING      | IMMERSION   | WATER                     | WATER              |
| 98-675-05-4 | NICKEL | COATING      | IMMERSION   | WATER                     | WATER              |

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.