

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2000
 DateRun: 04/04/2000
 Experimenters: Jason Marshall
 ClientType: Adhesive Manufacturer
 ProjectNumber: Project #1
 Substrates: Other
 PartType: Coupon
 Contaminants: Adhesive, Resins/Rosins
 Cleaning Methods:
 Analytical Methods:
 Purpose: Information request

Experimental Procedure: SUBSTRATE MATERIAL: Any
 REQUEST: In an article pertaining to the study and development of an aqueous cleaner to remove uncured epoxy resin, it was written that the formulation will be finalized after in house testing is complete. Is there now a commercially available aqueous cleaning solution for cleaning epoxy resins?

Results: RESPONSE: Using the ALL TESTS Database, the query yielded the following information:
 General Test Results

| SCL # | Substrate | Contaminant | Process | Manufacturer | Product |
|-------------|-----------|-------------|-----------|------------------------|--------------------------|
| 98-622-04-2 | SS | RESIN | IMMERSION | GEMTEK | SC 1000 |
| 98-622-04-2 | SS | RESIN | IMMERSION | T-SQUARE | HTF 50 |
| 98-622-04-2 | SS | RESIN | IMMERSION | CHRISAL USA | SUPER CMF 240 |
| 98-622-05-2 | NONE | RESIN | IMMERSION | GEMTEK | SC 1000 |
| 99-622-08-1 | NONE | RESIN | IMMERSION | SAVOGRAN | HD 34 |
| 99-622-09-2 | NONE | RESIN | IMMERSION | SAVOGRAN | HD 34 |
| 99-622-09-2 | NONE | RESIN | IMMERSION | GEMTEK | SC SUPERSOLVE |
| 99-622-10-4 | NONE | RESIN | IMMERSION | GEMTEK | SC SUPERSOLVE |
| 99-622-13-2 | SS | RESIN | IMMERSION | ENVIROSOLUTIONS | BIO-T 300 B |
| 00-722-15-2 | SS | RESIN | IMMERSION | SAFESCIENCE | Safe Science All Purpose |
| 00-722-15-2 | SS | RESIN | IMMERSION | ISP Technologies | SAFE STRIP RESIN CLEANER |
| 00-722-15-2 | SS | RESIN | IMMERSION | Envirosolutions, Inc. | BIO T MAX |
| 00-722-16-4 | SS | RESIN | IMMERSION | Envirosolutions, Inc. | BIO T 300 B |
| 00-722-16-4 | SS | RESIN | IMMERSION | Finger Lakes Chemicals | RESINEATER |
| 00-722-16-4 | SS | RESIN | IMMERSION | Solvent Kleene, Inc. | D-Greeze 500 LO |
| 00-722-16-4 | SS | RESIN | IMMERSION | Savogran | SI #4 Coating Remover |
| 00-722-16-4 | SS | RESIN | WIPE | Savogran | SI #4 Coating Remover |
| 00-722-16-4 | SS | RESIN | WIPE | Solvent Kleene, Inc. | D-Greeze 500 LO |
| 00-722-16-4 | SS | RESIN | WIPE | Finger Lakes Chemicals | RESINEATER |
| 00-722-16-4 | SS | RESIN | WIPE | Envirosolutions, Inc. | BIO T 300 B |

Products in Industrial Cleaning Survey: Directory of Vendors 4th ed.

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| Alkaline Aqueous Products | |
| Company Name | Product Name |
| Smart Sonic | 440-R SMT Detergent |
| Today & Beyond | Beyond-2001 |
| Today & Beyond | Beyond-2002 |
| Today & Beyond | Beyond-2003 |
| Today & Beyond | Beyond-2004 |
| Today & Beyond | Beyond-2005 |
| Today & Beyond | Beyond-2006 |
| Simple Green | All Purpose Cleaner/Degreaser |
| Simple Green | Crystal Simple Green Industrial Strength Cleaner/Degreaser |
| Simple Green | Simple GreenD Disinfectant/Cleaner |
| Blue Wave Ultrasonics | Dirl-Lum 603 Powdered Detergent |
| Kyzen Corporation | Lonox L5003 |
| Kyzen Corporation | Lonox L5005 |
| Tower Products, Inc | Tower 270 Cleaner Concentrate |
| U.S. Polychem Corp. | Polychem Hydropurge 36 XS |
| U.S. Polychem Corp. | Polychem Hydropurge XS-790 |
| U.S. Polychem Corp. | Polyspray Jet 790 XS |
| U.S. Polychem Corp. | Polyspray Jet ST-21 |
| U.S. Polychem Corp. | Polychem Hydropurge 21 |
| U.S. Polychem Corp. | Hydropurge 36 |
| U.S. Polychem Corp. | Polychem PW-147 |
| U.S. Polychem Corp. | Polychem Ultra-CR |
| U.S. Polychem Corp. | Polychem 2000 P |
| U.S. Polychem Corp. | Polychem A 2000 XS |
| U.S. Polychem Corp. | Polyspray Jet 790 P |
| U.S. Polychem Corp. | Polychem DEOX - 007 |
| Buckeye International | Shopmaster FF |
| Buckeye International | Shopmaster |
| Buckeye International | Shopmaster LPH |
| Alconox, Inc. | Det-O-Jet |
| Alconox, Inc. | Detergent 8 |
| W.R. Grace & Co. | Daraclean 283 |
| W.R. Grace & Co. | Daraclean 282 GF |
| W.R. Grace & Co. | Daraclean 282 |
| W.R. Grace & Co. | Daraclean 257 |
| W.R. Grace & Co. | Daraclean 238 |
| W.R. Grace & Co. | Daraclean 200 |
| Valtech Corporation | Valtron SP 2500 |
| Valtech Corporation | Valtron SP 2200 |
| Valtech Corporation | Valtron SP 2201 |
| Hotsy Cleaning Systems | Hotsy Detergents Tub & Pressure Wash |
| Neutral Aqueous | |
| Company Name | Product Name |
| Blue Wave Ultrasonics, Inc. | 25 I Detergent Concentrate |
| Kyzen Corporation | Aquanox XIN |
| U.S. Polychem Corp. | Polychem Aquaspat Ti |
| U.S. Polychem Corp. | Polychem Acra Strip 600 |
| Brulin Corporation | Brulin 1696 PNC |
| Alconox, Inc. | Luminox |
| W.R. Grace & Co. | Daraclean 236 |
| W.R. Grace & Co. | Daraclean 235 |
| W.R. Grace & Co. | Daraclean 212 |

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| Hotsy Cleaning Systems | Hotsy Detergents Tub & Pressure Wash |
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Summary:

Conclusion: Cleaning projects vary from case-to-case. To obtain more detailed information about any of the listed trials, contact the lab at (978)934-3133.