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Surface Cleaning Laboratory

University of Massachusetts • Lowell
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CLEANING CHEMISTRY QUESTIONNAIRE

The Toxics Use Reduction Institute maintains a vendor database of alternative cleaning chemistries, cleaning equipment and recycling/treatment equipment. The information listed below has previously been provided by you. Please make any necessary corrections and include any information that has not been supplied. Blank questionnaires are also included for any additional products that you would like to add to the database.

Return responses to: Jay Jankauskas
Toxics Use Reduction Institute
University of Massachusetts-Lowell
One University Avenue
Lowell, MA 01854-2866

Trade Name of Product RB Degreaser/Cleaner

Company Name Etus, Inc.

Street Address 1511 Kastner Place Sanford FL 32750

Contact Person/Title R.G. Gion Telephone 407-321-7910 Fax 407-321-3098

Provide a general description of your product and it's uses.

A non-sulfonate, heavy duty, degreaser/cleaner which contains no solvents. Biodegradable and contains corrosion inhibitors to provide maximum metal protection while cleaning.

Please check the classification that describes your product.

- | | |
|--|---|
| <input type="checkbox"/> Saponified Aqueous | <input type="checkbox"/> Petroleum Distillates |
| <input type="checkbox"/> Semi-Aqueous | <input type="checkbox"/> Organic |
| <input checked="" type="checkbox"/> Alkaline Aqueous | <input type="checkbox"/> HCFC |
| <input type="checkbox"/> Terpene | <input type="checkbox"/> Powder Detergent |
| <input type="checkbox"/> Acidic Aqueous | <input type="checkbox"/> Other (please specify) _____ |
| <input type="checkbox"/> Caustic | |

Please check the appropriate industries in which your product is used.

- | | |
|---|--|
| <input checked="" type="checkbox"/> Metal Fabrication/Finishing | <input checked="" type="checkbox"/> Precision Instruments |
| <input checked="" type="checkbox"/> Electronics/PCB's | <input checked="" type="checkbox"/> Medical |
| <input checked="" type="checkbox"/> Electronics/Semiconductor | <input checked="" type="checkbox"/> General Cleaning/Maintenance |
| <input checked="" type="checkbox"/> General Electronics | <input type="checkbox"/> Chemical Industry (tank & piping boil outs) |
| <input checked="" type="checkbox"/> Military | <input type="checkbox"/> Other (please specify) _____ |
| <input checked="" type="checkbox"/> Printing | |

Please check the contaminants that your product is known to remove.

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Adhesives | <input checked="" type="checkbox"/> Inks | <input type="checkbox"/> Rust |
| <input type="checkbox"/> Buffing/polishing/lapping compounds | <input checked="" type="checkbox"/> Greases | <input type="checkbox"/> Scale |
| <input checked="" type="checkbox"/> Carbon Deposits | <input type="checkbox"/> Mold Release | <input type="checkbox"/> Silicones |
| <input type="checkbox"/> Conformal Coatings | <input checked="" type="checkbox"/> Oils | <input checked="" type="checkbox"/> Waxes |
| <input checked="" type="checkbox"/> Fluxes | <input type="checkbox"/> Paints/coatings | |
| <input type="checkbox"/> Other (please specify) _____ | | |

Please check the materials with which your product is compatible.

- | | |
|--|--|
| <input checked="" type="checkbox"/> Electronics | <input checked="" type="checkbox"/> Precious Metals (Gold, Silver) |
| <input checked="" type="checkbox"/> Ferrous Metals | <input checked="" type="checkbox"/> Copper and Brass |
| <input checked="" type="checkbox"/> Plastics | <input checked="" type="checkbox"/> Aluminum and Aluminum Alloys |
| <input checked="" type="checkbox"/> Rubber | |

Please check the following cleaning processes with which your product is compatible.

- | | |
|--|--|
| <input type="checkbox"/> High Pressure Spray | <input checked="" type="checkbox"/> Steam Cleaning |
| <input checked="" type="checkbox"/> Low Pressure Spray | <input type="checkbox"/> Cold Solvent Cleaning |
| <input checked="" type="checkbox"/> Immersion | <input type="checkbox"/> Vapor Degreasing |
| <input checked="" type="checkbox"/> Ultrasonics | |

Is your product designed to emulsify dissolve or displace contaminants? (circle one)

If water dilutable, what is the recommended concentration range that your product may be used at?

VARIES by Application

What is the recommended temperature range that your product may be used at?

Room Temp to 200°F

Check off the following that your chemistry contains.

- | | |
|--|--|
| <input type="checkbox"/> Rinse Aids | <input type="checkbox"/> Anti-foam Agents |
| <input type="checkbox"/> Silicates | <input checked="" type="checkbox"/> Corrosion Inhibitors |
| <input type="checkbox"/> Sequestering Agents | <input type="checkbox"/> Caustic |

What is the average price of your product per gallon or lb? \$10.00/gal

Does your product meet any cleaning standards (ASTM, military or aircraft specs, FDA approval, etc.). If so please list.

Physical Properties

Percent Volatile: 0%

Maximum Theoretical VOC Content: ND

Flash Point: None

HMIS Ratings:

Health: 1

Vapor Pressure: Same as water

Flammability: 0

pH of Concentrate: <12.5

Reactivity: 0

Surface Tension: ND