

Surface Cleaning Laboratory

University of Massachusetts • Lowell  
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*Out*

# CLEANING CHEMISTRY QUESTIONNAIRE

The Toxics Use Reduction Institute maintains a vendor database of alternative cleaning chemistries, cleaning equipment and recycling/treatment equipment. Information from this database is published and provided to companies whom are searching for cleaning alternatives. Please provide the following for each product or product line:

1. Completed Questionnaire 2. MSDS 3. Technical Data sheets

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

*Headquarters  
90 east Husley Rd  
Parsippany, NJ 07054  
973 515-0900  
cust serv  
800 631 8051  
973 515 3232  
Chem Direct  
800  
499  
2436*

Trade Name of Product ALUMINEX 5834  
Company Name GENERAL CHEMICAL CORP.  
Address 13300 FOLEY City DETROIT State MI Zip Code 48227  
Contact Person/Title GREG WOREK Telephone 313 491 0355 Fax 313 490 8545

Provide a general description of your product and it's uses. LOW V.O.C REPLACEMENT FOR GENERAL PURPOSE 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 type="checkbox"/> Metal Fabrication/Finishing | <input type="checkbox"/> Precision Instruments                       |
| <input type="checkbox"/> Electronics/PCB's           | <input type="checkbox"/> Medical                                     |
| <input type="checkbox"/> Electronics/Semiconductor   | <input checked="" type="checkbox"/> General Cleaning/Maintenance     |
| <input type="checkbox"/> General Electronics         | <input type="checkbox"/> Chemical Industry (tank & piping boil outs) |
| <input type="checkbox"/> Military                    | <input type="checkbox"/> Other (please specify) _____                |
| <input type="checkbox"/> Printing                    |  |

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

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



Please check the materials with which your product is compatible.

- |  |  |
|--|--|
| <input 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 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 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?

10 - 20 %

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

140° F - 160° F

Check off the following that your chemistry contains.

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

What is the average price of your product per gallon or lb?

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

## Physical Properties

Percent Volatile: <u>50%</u>	Maximum Theoretical VOC Content: <u>0</u>
Flash Point: <u>&gt; 200° F</u>	HMS Ratings:
Vapor Pressure: _____	Health: <u>3</u>
pH of Concentrate: <u>12.0</u>	Flammability: <u>0</u>
Surface Tension: _____	Reactivity: <u>0</u>