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THE MASSACHUSETTS TOXICS USE REDUCTION INSTITUTE

Solvent/Cleaning Chemistry Questionnaire

University of Massachusetts Lowell
One University Avenue
Lowell, MA 01854
Telephone: (508) 934-3275
FAX: (508) 934-3050

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

1. Completed Questionnaire
2. MSDS
3. Printed literature (optional).

Return response to:

Vendor Survey
Toxics Use Reduction Institute
University of Massachusetts Lowell
One University Avenue
Lowell MA 01854

*Please duplicate this questionnaire and complete a separate copy for each product or product line you would like included in our database.

Trade Name of Product ECCOBRITE CLEANER AK

Company Name Eastern Color & Chemical Company Manufacturer Distributor

Address 35 Livingston Street Providence, RI 02904

Telephone 401-331-9000 Contact Person Fred B. Savell III

1. Product Manufacturer _____ Where is Product manufactured _____
(if different from above) (state / country)

2. Please check the classification that most closely describes your product.

- | | |
|---|---|
| <input type="checkbox"/> Saponified aqueous | <input type="checkbox"/> Acid aqueous solutions |
| <input type="checkbox"/> Semi-aqueous | <input type="checkbox"/> Hot water/steam |
| <input type="checkbox"/> Alkaline aqueous | <input type="checkbox"/> Petroleum distillates |
| <input type="checkbox"/> Terpenes | <input checked="" type="checkbox"/> Other (please specify) <u>Organic ester solvent</u> |

3. Give a chemical / generic description of your product.

Blend of low molecular weight alcohol esters.

4. Which contaminants is your product most effective in removing?

Oils, greases, waxes, resins, adhesives, inks.

5. Is there a recommended process or type of equipment associated with this product?
If so please describe it.

Dip tanks, ultrasonic baths, spray and spot cleaners.

6. Is there a separation process associated with maintaining this cleaning solution? Please describe.
No

7. What concentration of cleaning solution is typically used?

100%

8. Is your product designed to be recycled? If so, how is it recycled? ECCOBRITE CLEANER AK has a distillation range of 196-225°C. ECCOBRITE CLEANER AK can be filtered to remove dirt and other non-organic materials, then distilled for reuse.

9. What is the typical cost of your cleaner?
\$1.67/lb.

10. Are there any constituents in your cleaner which are listed under SARA 313 or CERCLA?
Please include an MSDS and any other information that would assist potential customers in evaluating the applicability of your product to their needs (e.g. a typical process flow diagram, waste stream constituents, special handling equipment).

No

11. Would you be interested in loaning equipment for testing purposes in TURI's Surface Cleaning laboratory? If yes, please contact Carole LeBlanc (508-934-3249) or Jay Jankauskas (508-934-3133).
We would be glad to provide material for testing at no charge, but we do not have any test equipment.

Surface Cleaning Laboratory

University of Massachusetts • Lowell
One University Avenue
Lowell, Massachusetts 01854-2881
Telephone: (508) 934-3133
FAX: (508) 934-3050

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 Eccobrite Cleaner AK
Company Name Eastern Color & Chemical Company
Street Address 35 Livingston Street Providence RI 02904
Contact Person/Title Fred B. Savell III Telephone 401-331-9000 Fax

Provide a general description of your product and it's uses.
Blend of low molecular weight alcohol esters.

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 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) <u>Organic Ester Solvent</u> |
| <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 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 type="checkbox"/> Military | <input checked="" type="checkbox"/> Other (please specify) <u>Leather; Textiles</u> |
| <input checked="" type="checkbox"/> Printing | |

Please check the contaminants that you 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 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 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 type="checkbox"/> Copper and Brass |
| <input type="checkbox"/> Plastics | <input checked="" type="checkbox"/> Aluminum and Aluminum Alloys |
| <input 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 type="checkbox"/> Low Pressure Spray | <input checked="" type="checkbox"/> Cold Solvent Cleaning |
| <input checked="" type="checkbox"/> Immersion | <input checked="" 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?
100%

What is the recommended temperature range that your product may be used at?
Below 100°C

Check off the following that your chemistry contains.

- | | |
|--|---|
| <input type="checkbox"/> Rinse Aids | <input type="checkbox"/> Anti-foam Agents |
| <input type="checkbox"/> Silicates | <input 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? \$1.67/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>99</u>	Maximum Theoretical VOC Content: <u>100</u>
Flash Point: <u>235 F</u>	HMIS Ratings:
Vapor Pressure: <u><.1 mmHg @ 20 C</u>	Health: <u>1</u>
pH of Concentrate: <u>NA</u>	Flammability: <u>1</u>
Surface Tension: _____	Reactivity: <u>0</u>