



**THE MASSACHUSETTS
TOXICS USE REDUCTION INSTITUTE**

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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. 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

*H2002F ELECTRONICS CLEANER
H2002V ULTRASONIC CLEANER*

Trade Name of Product OCS NFH 2002-NONFORMING HOT DEGREASER

Company Name OMNI CLEANING SYSTEMS

Address 134 E CHESTNUT City MONROVIA State CA Zip Code 91016

Contact Person/Title DAVE FIORELLI / V.P. R+D Telephone 818 305 7479 Fax 818 305 7485

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

Please check the classification that describes your product.

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

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

- | | | |
|---|--|---|
| <input type="checkbox"/> Adhesives | <input checked="" type="checkbox"/> Inks | <input type="checkbox"/> Rust |
| <input checked="" type="checkbox"/> Buffing/polishing/lapping compounds | <input checked="" type="checkbox"/> Greases | <input type="checkbox"/> Scale |
| <input checked="" type="checkbox"/> Carbon Deposits | <input checked="" type="checkbox"/> Mold Release | <input checked="" type="checkbox"/> Silicones |
| <input checked="" 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 checked="" type="checkbox"/> High Pressure Spray | <input checked="" type="checkbox"/> Steam Cleaning |
| <input checked="" type="checkbox"/> Low Pressure Spray | <input checked="" 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?

10:1 TO 50:1

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

AMBIENT TO 165°

Check off the following that your chemistry contains.

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

What is the average price of your product per gallon or lb? 15.00 PER-GAL

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

ASTM
VARIOUS MIL SPEC.

Physical Properties

Percent Volatile: 94.3

Maximum Theoretical VOC Content: 206 in CONCENTRATE

Flash Point: NONE / CC

HMIS Ratings:

Health: 0

Vapor Pressure: 14.2

Flammability: 0

pH of Concentrate: 12.4

Reactivity: 0

Surface Tension: _____