

# Design for the Environment Garment and Textile Care Program Resource Guide



## *Introduction to this document*

*This booklet is part of a series of U.S. Environmental Protection Agency (EPA) publications on garment and textile care industry issues, new technologies, and research initiatives. The organizational, printed and electronic resources listed in this booklet provide information on issues currently facing the professional garment and textile care industry. Although this is not an exhaustive list, it does offer a starting point from which to explore issues relevant to today's garment and textile care industry professional.*

*By joining EPA in its commitment to safer, cleaner technologies, drycleaners can maintain a competitive edge in the marketplace. With an enhanced awareness of available technology options and by offering environmentally-preferable cleaning process choices to their customers, drycleaners can improve their operations and bottom line while contributing to a safer workplace and cleaner environment.*

*As consumers increasingly opt for environmentally-sound products and services, drycleaners that consider the health and environmental impacts of their business decisions are more likely to sustain solid support from their customers, neighbors, and community.*



## ***EPA Design for the Environment Program***

*The EPA Design for the Environment (DFE) Program harnesses EPA's expertise and leadership to facilitate information exchange and research on risk reduction and pollution prevention efforts. Working with businesses and industries on a voluntary basis, DFE strives to:*

- ***Incorporate environmental concerns into business decisions along with 'cost' and 'performance.'***
- ***Build incentives for behavior change to encourage continuous environmental improvement.***
- ***Encourage green chemistry and green engineering approaches that reduce or eliminate environmental concerns.***

*The DFE Garment and Textile Care Program is a voluntary collaboration among the garment and textile care industry, environmental groups, and the U.S. EPA, dedicated to reducing risks and preventing pollution associated with drycleaning chemicals. DFE partners include representatives from industry, professional institutions and associations, academia, environmental, labor, and public interest groups, and other government agencies. The program has focused on the risks, costs, and performance of traditional drycleaning processes in an effort to help garment and textile care professionals incorporate environmental concerns into their day-to-day and long term business decisions. Toward this end, EPA promotes the development, evaluation, and increased use of cleaner technologies.*

***<http://www.epa.gov/dfe>***

# EPA PUBLICATIONS

*Single copies of the following publications can be obtained from EPA at no charge by contacting the:*

Pollution Prevention Information Clearinghouse, U.S. EPA (7409)  
1200 Pennsylvania Avenue NW, Washington, DC 20460  
Phone: 202 260-1023; Fax: 202 260-4659  
Email: [ppic@epa.gov](mailto:ppic@epa.gov)

These documents are also available at:  
<http://www.epa.gov/dfegarment/garment.html>

## **DFE Garment and Textile Care Program Fact Sheet**

*EPA 744-F-98-012 (June 2001) 2 pages*

This fact sheet provides an up-to-date description of EPA's DFE Garment and Textile Care Program. *A previous version is also available in Korean (EPA 744-F-98-012K) and Spanish (EPA 744-F-98-012S).*

## **Frequently Asked Questions About Drycleaning**

*EPA 744-K-98-002 (June 1998) 8 pages*

This plain English document answers common questions about drycleaning. *Korean (EPA 744-K-98-002K) and Spanish (EPA 744-K-98-002S).*

## **List of Major Federal Regulations Affecting Petroleum Cleaners Fact Sheet**

*EPA 744-F-99-005 (May 1999) 4 pages*

This document serves as a guide to EPA and OSHA regulations and standards affecting petroleum drycleaners. It also provides a list of EPA and OSHA contacts by geographic region.

## **Military Uniform Cleaning Study Fact Sheet**

*EPA 744-F-01-003 (June 2001) 2 pages*

This document provides an overview of DOD's evaluation of wetcleaning and liquid carbon dioxide processes for cleaning military uniforms, as part of their Pollution Prevention and Waste Minimization Programs.

## **Industrial Ecology Fact Sheet**

*EPA 744-F-99-001 (May 1999) 2 pages*

This document provides information on EPA's Industrial Ecology approach to examining the garment care industry.

## **100% Wetcleaning Facility: Route-only Service, Case Study**

*EPA 744-F-01-004 (June 2001) 4 pages*

This **case study** provides information on a VA wetcleaner, The Laundry Club.

## **Liquid Carbon Dioxide Surfactant System for Garment Care, Case Study**

*EPA 744-F-99-002 (May 1999) 8 pages*

This **case study** provides information on the MiCare™ process.

## **Wetcleaning Systems for Garment Care, Case Study**

*EPA 744-F-98-016 (May 1999) 8 pages*

This **case study** provides information on wetcleaning.

## **Water-Based Cleaning System for Suede & Leather, Case Study**

*EPA 744-K-98-017 (May 1999) 4 pages*

This **case study** provides information on the Kirk's Suede-Life, Inc. cleaning process.

## **Plain English Guide for Perc Drycleaners: A Step-by-Step Approach to Understanding Federal Environmental Regulations**

*EPA 305-B-96-002 (August 1996) 50 pages*

This document summarizes the national environmental regulations that apply to drycleaners who use perc, and provides a step-by-step approach to compliance. *Also available in Korean (EPA 305-B-97-001).*

## **The Cleaner Guide A List of Professional Cleaners Offering Wetcleaning, Liquid Carbon Dioxide, and Liquid Silicone Cleaning Processes**

*EPA 744-F-01-007 (June 2001) Web Only*

This booklet offers a list of U.S. professional cleaners that offer environmentally-preferable cleaning services.

## **Training Curriculum for Alternative Clothes Cleaning**

*EPA 744-R-97-004a (Vol. I: Curriculum) 115 pages*

*EPA 744-R-97-004b (Vol. II: Instructor's Manual and Overheads) 192 pages*

This training course teaches garment care professionals about wetcleaning, how it works, how to operate a wetcleaning facility, and how to convert a drycleaning facility to a wetcleaning facility.

## **Cleaner Technologies Substitutes Assessment for Professional Fabricare Processes (CTSA)**

*EPA 744-B-98-001 (June 1998) 474 pages*

The CTSA was developed to provide professional cleaners with a compendium of technical information on available cleaning processes. The CTSA presents comparisons of relative risk, cost, and performance in an effort to encourage cleaners to consider environmental issues along with traditional parameters of cost and performance when making business decisions.

## **Cleaner Technologies Substitutes Assessment for Professional Fabricare Processes: SUMMARY**

*EPA 744-S-98-001 (June 1998) 56 pages*

This document is a summary version of the CTSA.

## **Cleaner Technologies Substitutes Assessment for Professional Fabricare Processes Fact Sheet**

*EPA 744-F-98-011 (June 1998) 2 pages*

This document provides an overview of the CTSA. *Korean (EPA 744-F-98-011K) and Spanish (EPA 744-F-98-011S).*

## **Cleaner Technologies Substitutes Assessment for Professional Fabricare Processes: Peer Review Process**

*EPA 744-S-98-002 (June 1998) 146 pages*

This document summarizes the independent technical peer review process used for the fabricare CTSA.

## **Cleaner Technologies Substitutes Assessment for Professional Fabricare Processes: Response to Peer Review Comments**

*EPA 744-P-98-001 (June 1998) 410 pages*

This document contains the Agency's response to the fabricare CTSA Peer Review Panel's comments.

## **Garment and Textile Care: An Eye To the Future, 1998 Conference Proceedings**

*EPA 744-R-98-006 (October 1998) 360 pages*

This proceedings document is a record of a conference held among key stakeholders in March 1998 to discuss the changes in cleaning technologies, science issues, and taking an industrial ecology approach to garment care.

## **Apparel Care and the Environment—Alternative Technologies and Labeling, 1996 Conference Proceedings**

*EPA 744-R-96-002 (September 1996) 219 pages*

This proceedings documents a September 1996 conference where key stakeholders met to discuss new garment care technologies and care labeling.

## **Multimedia Inspection Guidance for Drycleaning Facilities**

*EPA 305-F-96-001 (August 1996) 100 pages*

This inspection manual and video were developed to assist field personnel in state, local, and EPA regional offices to conduct multimedia inspections of drycleaning facilities that use perc.

## **Drycleaning Sector Compliance Strategy**

*EPA 305-F-96-003 (August 1996) 80 pages*

This document outlines EPA's strategy to provide compliance assistance to the perc drycleaning industry and is meant to help federal, state, and local regulators understand compliance needs of the garment care industry.

## **Profile of the Drycleaning Industry**

*EPA 310-R-95-001 (September 1995) 84 pages*

This document provides information on all aspects of the garment care industry, including general information, processes, pollution prevention techniques, regulatory requirements, and examples of relevant EPA programs.

## **Soil Screening Guidance: Fact Sheet**

*EPA 540-F-95-041 (June 1996) 12 pages*

This fact sheet summarizes key aspects of EPA's Soil Screening Guidance which was developed by EPA to help standardize and accelerate the evaluation and cleanup of contaminated soils at sites on the National Priorities List.

## **Soil Screening Guidance: User's Guide**

*EPA 540-R-96-018 (July 1996) 49 pages*

This User's Guide provides a step-by-step method for professionals to calculate risk-based, site-specific soil contaminant screening levels to identify areas needing further investigation at National Priorities list sites. *The guidance doc and a fact sheet are available only from the National Technical Information Service (800) 553-6847, or they can be downloaded from the following EPA web site.*

<http://www.epa.gov/oerrpage/superfund/resources/soil/index.htm>

# EPA RESOURCES

## Design for the Environment

### Garment and Textile Care Program

Cindy Stroup, Program Manager  
EPA Office of Pollution Prevention and Toxics (7406)  
1200 Pennsylvania Avenue NW, Washington, DC 20460  
(202) 260-3889  
Email: [stroup.cindy@epa.gov](mailto:stroup.cindy@epa.gov)  
<http://www.epa.gov/dfe/garment/garment.html>

### Office of Air and Radiation (NESHAP)

Fred Porter, Emissions Standards Division  
EPA Office of Air Quality Planning & Standards (MD-13)  
Research Triangle Park, NC 27711  
(919) 541-5251  
Email: [porter.fred@epa.gov](mailto:porter.fred@epa.gov)  
<http://www.epa.gov/oar>

### Office of Enforcement and Compliance Assurance

US EPA OECA (2224A)  
1200 Pennsylvania Avenue NW, Washington, DC 20460  
(202) 564-2310  
<http://es.epa.gov/oeca>

**Office of Enforcement and Compliance Assurance and Office of Research and Development** offer technical information at:  
<http://es.epa.gov/techinfo/techinfo.html>

- *Fact Sheet: Drycleaning and Waste Reduction*  
<http://es.epa.gov/techinfo/facts/driclean.html>
- *Drycleaning Industry*  
<http://es.epa.gov/techinfo/facts/cheklist.html>
- *Filter Drying Units Studied for Use at Drycleaners*  
<http://es.epa.gov/studies/cs45.html>

### Office of Water

<http://www.epa.gov/ow/>

### Superfund Program

<http://www.epa.gov/superfundov/ow/>

## EPA's Regional Drycleaning Contacts

*EPA's 10 regional offices work closely with garment care professionals, state and local governments, and EPA headquarters. Listed below are contacts within EPA's regional offices that can answer questions about garment care regulatory compliance, management of garment care solvents, and pollution prevention options.*

### Region 1 [CT, ME, MA, NH, RI, VT]

1 Congress St, Suite, 1100 (SEA), Boston, MA 02114-2023  
Doug Koopman, Compliance (617) 918-1747

### Region 2 [NJ, NY, Puerto Rico, Virgin Islands]

290 Broadway, New York, NY 10007-1866 (2DECA-CAPS)  
Ronald Lockwood, Drycleaning Compliance (212) 637-3413  
Carl Plossl, RCRA Compliance (2DECA-RCB) (212) 637-4137  
Venkata Rao, Air Compliance (2DECA-ACB) (212) 637-4053

### Region 3 [DE, DC, MD, PA, VA, WV]

1650 Arch Street, Philadelphia, PA 19103-2029  
David Byro, Drycleaning Compliance (3EI00) (215) 814-5563  
Andy Clibanoff, Enforcement (3API2) (215) 814-3391

### Region 4 [AL, FL, GA, KY, MS, NC, SC, TN]

61 Forsyth Street, SW., Atlanta, GA 30303-3415  
Rosalyn Hughes, Compliance (4APT-AEEB) (404) 562-9206

### Region 5 [IL, IN, MI, MN, OH, WI]

77 West Jackson Boulevard, Chicago, IL 60604-3590  
John Kelly, Compliance (AR-18J) (312) 886-4882  
Phil Kaplan, Pollution Prevention (DW-8J) (312) 353-4669

### Region 6 [AR, LA, NM, OK, TX]

1445 Ross Avenue (6EN-AA), Dallas, TX 75202-2733  
Donna Ascenzi, Compliance and Enforcement (214) 665-2725  
Loretta Finklin, Drycleaning Contact (6EN-AA) (214) 665-7293

### Region 7 [IA, KS, MO, NE]

901 N. 5<sup>th</sup> Street, Kansas City, KS 66101-2907  
Gary Schlicht, MACT Standard/Permits (ARTD/APCO) (913) 551-7097  
Jennifer Anderson, Drycleaning Sector (ARTD/SWPP) (913) 551-7644  
Gary Bertram, DFE (ARTD/SWPP) (913) 551-7533  
Alma Moreno-Lahm, Compliance (ENSV/ARCM) (913) 551-5232

### Region 8 [CO, MT, ND, SD, UT, WY]

999 18th St, Denver Pl, Suite 300, Denver, CO 80202-2045  
Scott Whitmore, Enforcement (8ENF-T) (303) 312-6317  
Tami Thomas-Burton, Enf/Compliance MACT (8ENF-T) (303) 312-6581  
Anne-Marie Patrie, Small Business Assistance (8P-AR) (303) 312-6524

### Region 9 [AZ, CA, NV, HI, American Samoa, Guam]

75 Hawthorne Street, San Francisco, CA 94105  
Angela Baranco, Compliance Asst Program (AIR-6) (415) 744-1196  
Eileen Sheehan, Drycleaning P2 Project (WST-1-1) (415) 744-2190

### Region 10 [AK, ID, OR, WA]

1200 Sixth Avenue, Seattle, WA 98101  
Kai Shum, Compliance (MC OAQ-107) (206) 553-2117

# OTHER GOVERNMENT RESOURCES

## Department of Commerce

Office of Textiles and Apparel  
International Trade Administration Room H3100  
14th and Constitution Avenue, NW, Washington, DC 20230  
(202) 482-3737  
<http://otexa.ita.doc.gov>

## Department of Defense, Defense Logistics Agency, Defense Supply Center

**Philadelphia** is responsible for procuring a variety of supplies and services for all armed forces and is currently evaluating environmental cleaning technologies for military uniforms.  
700 Robins Ave NE, Bldg 6D430, Philadelphia, PA 19111  
(215) 737-2405  
<http://et.dscpl.dla.mil/>

## Federal Trade Commission

is responsible for the Care Labeling Rule, which informs consumers and professional cleaners about proper cleaning methods.  
FTC Textile Section, 600 Pennsylvania Ave. NW, Washington, DC 20580  
(202) 326-3553  
<http://www.ftc.gov>

## National Institute of Occupational Safety and Health

is charged with researching health and safety aspects of industry and generating information from its findings. In its work with the garment care industry, NIOSH has evaluated drycleaning machines, potential retrofits, associated work practices, and the effects of perc exposure.  
(800) 35-NIOSH (356-4674)  
<http://www.cdc.gov/niosh/homepage.html>

## Occupational Safety and Health Administration

regulates permissible occupational exposure levels of chemicals for drycleaning workers, does research on reducing worker exposure to perc, assesses technologies in terms of exposure levels, and investigates viable substitutes.  
200 Constitution Avenue, NW., Room 3718  
Washington, DC 20210  
Office of Health Standards- (202) 693-1950  
Office of Regulatory Analysis - (202) 693-1960  
<http://www.osha-slc.gov/html/oshdir.html>

**Small Business Administration** offers assistance to small businesses in a variety of areas including finance, management, environmental issues, and technology. <http://www.sbaonline.sba.gov>

**Small Business Administration's Small Business Development Centers Program** offer one-stop assistance to small businesses by providing a variety of information and guidance available through a national network of centers.  
(202)205-6766  
<http://www.sba.gov/SBDC>

The following Small Business Development Centers specialize in environmental assistance.

California Trade and Commerce  
801 K Street Suite 1700, Sacramento, CA 95814  
(916) 324-5068  
<http://commerce.ca.gov/small-business/>

Iowa State University  
137 Lynn Ave, Ames, Iowa 50014  
(515) 292-6351  
<http://www.iabusnet.org>

Dept. of Commerce and Community Affairs  
620 East Adams, Springfield, IL 62701  
(217) 524-5856  
<http://www.commerce.state.il.us>

University of Kentucky  
Business & Economics Bldg, Rm 227, Lexington, KY 40506  
(859) 257-1131  
<http://www.kbeap.org>

Nebraska Business Development Center  
1313 Farnam Street, Suite 230, Omaha, NE 68102  
(402) 595-2381  
<http://nbdc.unomaha.edu>

Department of Development  
77 South High St, 28th Floor, Columbus, OH 43215  
(614) 466-2711  
<http://www.ohiosbdc.org>

University of Nevada in Reno  
College of Business Administration/032  
Reno, NV 89557-0100  
(800) 882-3233  
<http://www.nsbdc.org>

University of Pennsylvania  
3733 Spruce Street, Philadelphia, PA 19104  
(215) 898-1219  
<http://pasbdc.org>

Dallas County Community College  
1402 Corinth St, Suite 1520, Dallas, TX 75215  
(214) 860-5822  
<http://www.billpriestinstitute.org>

Vermont Technical College  
P.O. Box 188, Randolph Center, VT 05061  
(802) 728-9101  
<http://www.vtsbdc.org>

Department of Business Assistance  
707 East Main St, Suite 300, Richmond, VA 23219  
(804) 371-8253  
<http://www.dba.state.va.us>

University of Wisconsin  
432 North Lake St, Rm 423, Madison WI 53706  
(608) 263-7794  
<http://www.uwex.edu/sbdc>

# INTERNATIONAL RESOURCES

**Environment Canada**, the Canadian equivalent of EPA, disseminates environmental assessments, national water research, pollution data, and climate information. It also has published a workbook for garment care professionals called The Green Team, which outlines pollution prevention ideas to reduce garment care workers' exposures to perc.  
351 St. Joseph Boulevard, Hull, Quebec K1A 0H3, Canada  
(819) 997-2800 or (800) 668-6767  
Email: [enviroinfo@ec.gc.ca](mailto:enviroinfo@ec.gc.ca)  
<http://www.ec.gc.ca/envhome.html>

**Hohenstein Institutes** is an internationally-recognized independent research and service center with more than 150 experienced scientists and staff. In state-of-the-art laboratories and facilities, basic and applied research focuses on innovative products and processes for the textile, apparel, and the textile care industries. The institutes performed the first comprehensive research and field studies that led to the evolution of environmentally friendly textile care technologies.  
Hohenstein Institutes  
Schloss Hohenstein, D-74357 Boennigheim, Germany  
Dr. Maximilian Swerev, Director  
+49-7143-271-0 or +49-7143-271-51  
Email: [info@hohenstein.de](mailto:info@hohenstein.de)  
<http://www.hohenstein.de>

**International Drycleaners Congress** is a worldwide organization that promotes international good will and professional information exchange for leaders in the textile care industry.  
Dr. Manfred Wentz, Executive Director  
9016 Oak Branch Drive, Apex, NC 27502  
(919) 363-5062  
Email: [mwentz@nc.rr.com](mailto:mwentz@nc.rr.com)  
<http://www.idcnews.org>

**International Drycleaning Research Committee** is an organization of textile care research institutes.  
Hohenstein Institutes  
Schloss Hohenstein, D-74357 Boennigheim, Germany  
Petra Klein  
+49-7143-271-100  
Email: [p.klein@hohenstein.de](mailto:p.klein@hohenstein.de)

**International Textile and Apparel Association** maintains a web-based resource for faculty and students in fiber, textiles, apparel and related disciplines.  
<http://www.itaal.su.edu/>

**wfk-Forschungsinstitut für Reinigungstechnology** (wfk-Cleaning Technology Research Institute) is a group of institutes conducting cleaning technology research projects for small and medium enterprises.  
Adlerstrasse 42, Postfach 13 07 62  
D-47798 Krefeld, Germany  
Dr. Helmut Kruessmann, Institute Director  
+49-2151-770072  
Email: [info@wfk.de](mailto:info@wfk.de)  
<http://www.wfk.de>

# INDUSTRY RESOURCES

Many industry organizations such as trade associations provide helpful services for garment care professionals and others interested in garment care issues.

## National Trade Associations

### **American Apparel and Footwear Association**

2500 Wilson Blvd, Suite 301, Arlington, VA 22201  
(800) 520-2262  
<http://www.apparelandfootwear.org>

### **American Association of Textile Chemists and Colorists**

1 Davis Drive, Research Triangle Park, NC 27709  
Dr. John Daniels, Executive Director, (919) 549-8141  
<http://www.aatcc.org/Default.htm>

### **American Fibers Manufacturers Association**

1150 17th St, NW, Suite 310, Washington, DC 20036  
(202) 296-6508  
<http://www.fibersource.com>

### **Canadian Cleaners & Launderers Allied Trade Association**

299 Mill Rd, #2108, Toronto, ON M9C 4V9 Canada  
(416) 622-7442

### **Canadian Fabricare Association**

P.O. Box 24026, Kitchener, ON N2M 5P1 Canada  
V.W. (Vic) Vandermolten, Executive Director  
<http://www.fabricarecanada.com>

### **Cleaners and Launderers Association**

4603 Fox Hollow Blvd, Spring, Texas 77389  
Jean Warnke, Secretary, (281) 288-2144 (tmatjean@aol.com)

### **Coin Laundry Association**

1315 Butterfield R, #212, Downers Grove, IL 60515  
(630) 963-5547  
<http://www.coinlaundry.org>

### **Halogenated Solvents Institute of America**

2001 L St NW, Suite 506A, Washington, DC 20036  
(202) 775-0232 or (888) 594-4742  
<http://www.hsia.org>

### **International Fabricare Institute**

12251 Tech Road, Silver Spring, MD 20904  
(800) 638-2627  
<http://www.ifi.org>

### **Korean Drycleaners Business Group**

4715 Commerce Lane, Bethesda, MD 20814  
(301) 770-7733

### **National Coalition of Petroleum Drycleaners**

PO Box 651, Lyons, IL 60534  
(708) 447-6430  
<http://www.ncpdc.org>

### **The Professional Wetcleaners Network**

Ann Hargrove, Executive Director  
PO Box 1, Lyons, IL 60534  
(708) 447-0879  
(ahargr7630@aol.com)  
<http://www.tpwn.net>

### **Neighborhood Cleaners Association-International**

252 West 29th Street, New York, NY 10001  
Nora Nealis, Executive Director, (212) 967-3002  
<http://www.nca-i.com>

### **Uniform and Textile Service Association**

1300 North 17th Street, Suite 750, Arlington, VA 22209  
(703) 247-2600  
<http://www.utsa.com>

## Regional Trade Associations

### **California Cleaners Association**

530 Bercut Drive, Suite G, Sacramento, CA 95814  
(916) 443-0986 / (800) 390-8409  
<http://www.calcleaners.com>

### **Illinois State Fabricare Association**

350 Houbolt Road, Suite 100, Joliet, IL 60431  
(815) 729-0137  
<http://www.isfa.net>

### **Mid-America Fabricare Association**

8080 Watson Rd, St Louis MI, 63119  
Mark Barnett, Executive Director, (314) 843-3458 (msb487@aol.com)

### **Mid-Atlantic Cleaners & Launderers Association**

7430 Little Chatterton Lane, King George, VA 22485  
(540) 775-2525  
<http://www.macla.net>

### **Northeast Fabricare Association**

580 Main Street, Reading, MA 01867  
(800) 442-6848  
<http://www.nefabricare.com>

### **Northwest Drycleaners Association**

3425 Vernhardson St, Gig Harbor, WA 98332  
(253) 851-6327

### **Rocky Mountain Fabricare Association**

11166 Huron St. #27, Denver, CO 80234  
(303) 433-4446  
<http://www.rmfa.org/>

### **South Central Fabricare Association**

812 North President Street, Jackson, MS 39202  
Darienne Wilson, President, (601) 352-4291 (dwilson@mstourism.com)

### **Southeastern Fabricare Association**

7373 Hodgson Memorial Dr, Bldg 3, Suite C, Savanna, GA. 31406  
(912) 355-3364 (sefa.clnrs@worldnet.att.net)  
<http://www.sefa.org>

### **Southwest Drycleaners Association**

1800 NE Loop 410, Suite 308, San Antonio, TX 78210  
(210) 826-4684  
<http://www.sda-dryclean.com/index.html>

### **Textile Care Allied Trades Association**

271 Rte 46 West, Suite D203, Fairfield, NJ 07004  
David Cotter, Executive Director, (973) 244-1790 (tcata@ix.netcom.com)  
<http://www.tcata.org>

### **Wisconsin Fabricare Institute**

9910 West Layton Avenue, Greenfield, WI 53228  
Joe Phillips (414) 529-4707  
<http://www.wifi.com>

## Other Industry

**FabricLink's** mission is to provide an educational forum for retailers, consumers, manufacturers and fiber producers to share information on fabrics, apparel and clothing care products, and mills.  
<http://www.FabricLink.com>

**Textile Industry Affairs**, a unit of the Clorox Company, provides assistance to apparel and textile professionals in implementing the FTC Care Label Rule and educating apparel trade and consumers about care symbols and instructions. <http://www.textilecare.com/index.htm>

**TextileWeb** is dedicated to promoting the goods and services of the textile industry via the Internet.  
<http://www.textileweb.com>

# ORGANIZATIONAL RESOURCES

## Labor Unions

**United Needleworkers and Industrial Textile Employees**  
275 Seventh Avenue, 6th Floor, New York, NY 10001  
(212) 691-1691  
<http://www.uniteunion.org>

## PUBLIC INTEREST GROUPS

**Better Business Bureau** offers drycleaning related information on its web site  
<http://www.bbb.org>

**Business and Professional People for the Public Interest**  
25 East Washington, Suite 1515, Chicago, IL 60602  
(312) 641-5570  
<http://www.bpichicago.org/>

**Consumers Union, publisher of Consumer Reports**, is a nonprofit organization established to provide consumers with information and advice on goods, services, health, and finance to enhance the quality of consumers' lives.  
101 Truman Avenue, Yonkers, NY 10703-1057  
(914) 378-2000  
<http://www.consumerreports.org>

**Greenpeace**, a nonprofit research and advocacy organization supports the use of alternatives such as wetcleaning and liquid carbon dioxide as environmentally-preferable choices to perc and other chlorinated hydrocarbons.  
702 H Street, NW, Suite 300, Washington, DC 20001  
Rick Hind, (202) 462-1177  
<http://www.greenpeace.org>

**Korean Youth and Community Center Cleaners Assistance Program** is committed to providing Korean American drycleaners with accurate, timely, and bilingual information on new technologies in the industry including demonstration tours, intensive workshops on the wetcleaning process, distributing information packets, wetcleaning videos, resources for financing, training and general business assistance.  
680 South Wilton Place, Los Angeles, CA 90005  
(213) 365-7400  
<http://www.kycccla.org>

## Research and Technical Assistance Organizations

**Textile Care International, Ltd**  
9016 Oak Branch Drive, Apex, NC 27502  
Dr. Manfred Wentz, Executive Director  
(919) 363-5062 (mwentz@nc.rr.com)

**Ann Hargrove and Associates** is a new technologies consultant specializing in wetcleaning.  
8132 Salisbury Avenue, Lyons, IL 60534  
(708) 447-0879 (ahargr7630@aol.com)

**Center for Neighborhood Technology**, a nonprofit educational and technical assistance organization, provides information on its web site about wetcleaning and other garment care issues. The site offers a list of resources that can be requested by email.  
<http://www.cnt.org/wetcleaning>  
2125 West North Avenue, Chicago, IL 60647  
Anthony Star, (773) 278-4800 ext. 117 (info@cnt.org)  
<http://www.cnt.org>

**Ecology Action** a private, nonprofit organization working with businesses and local governments to reduce hazardous and solid waste and conserve material resources. They provide technical assistance for drycleaners on reducing perc usage and new technologies.  
P.O. Box 1188, Santa Cruz, CA 95061  
Anna Hirst, (831) 426-5925 (info@ecoact.org)  
<http://www.ecoact.org>

**Tellus Institute**, a research organization, has developed reports on drycleaning issues under EPA grants.  
11 Arlington Street, Boston, MA 02116-3411  
(617) 266-5400  
<http://www.tellus.org>

**Toxics Use Reduction Institute**, a research, education, policy, and technical support organization, has developed garment care publications under EPA grants.  
The Massachusetts Toxics Use Reduction Institute  
University of Massachusetts Lowell  
One University Avenue, Lowell, MA 01854-2866  
(978) 934-3275  
<http://www.turi.org>

## ACADEMIC PROGRAMS

**Auburn University Textile Engineering Dept**, working cooperatively with the Department of Consumer Affairs, prepares students to work in the integrated textile industry by assisting with technical support, continuing education, and in building relations with the community and general public.  
Department of Textile Engineering  
115 Textile Building, Auburn Univ, AL 36849-5327  
(334) 844-4123  
<http://www.eng.auburn.edu/department/te/index.html>

**Catawba Valley Community College (CVCC)**  
2550 Hwy. 70 SE, Hickory, NC 20862  
(828) 327-7000  
<http://www.cvcc.cc.nc.us>

**Clemson University School of Textiles, Fiber and Polymer Science** offers B.S. degree programs in Textile Chemistry, Textile Science and Textile Management.  
School of Textiles, Fiber and Polymer Science  
161 Serrine Hall, Box 34097, Clemson, SC 29634-1307  
(864) 656-3176  
<http://stfps.clemson.edu>

**Florida State University's Department of Textiles and Consumer Sciences** offers graduate and undergraduate study.  
Department of Textiles and Consumer Sciences  
Sandels Bldg. Rm 332, College of Human Sciences  
Tallahassee, Florida 32306-1492  
(850) 644-2498  
<http://www.fsu.edu/~human>

**Georgia Tech School of Textile & Fiber Engineering**  
801 Ferst Drive, Atlanta, GA 30233-0295  
1-800-533-7815  
<http://www.gatech.edu/textile/tfhome.html>

**Mississippi State University Extension Service** has a web page with information on apparel and textiles.  
<http://msucares.com>

**Ohio State University Extension Page** offers several fact sheets on textiles and clothing care. <http://www.ag.ohio-state.edu/~ohioline/lines/home.html>

**North Carolina State University College of Textiles** is housed in one of the most modern teaching, research and laboratory facilities available. Two departments, the Department of Textile Engineering, Chemistry and Science and the Department of Textile & Apparel Technology and Management graduate more than half of the textile graduates in the United States each year. Innovative programs bridge the gap between traditional education, research and extension activities of the university and the fiber, textile, apparel and retail industries, consumers and the textile care industries.

Box 8301, Raleigh, NC 27695-8301

Dr. Perry Grady, Associate Dean

(919) 515-6651

Email: [pgrady@tx.ncsu.edu](mailto:pgrady@tx.ncsu.edu)

<http://www.tx.ncsu.edu/index.html>

**Urban and Environmental Policy Institute at Occidental College** is a research, education, technical assistance, and community-linked organization of affiliated programs on urban and environmental policy.

1600 Campus Rd, Los Angeles, CA 90041-3314

(323) 259-2991

Email: [uepi@oxy.edu](mailto:uepi@oxy.edu)

<http://www.uepi.oxy.edu>

**Philadelphia College of Textiles and Science**

School of Textile and Materials Technology

Philadelphia College of Textiles and Science

Schoolhouse Lane & Henry Ave, Philadelphia, PA 19144

(215) 951-2700

<http://fibers.philau.edu/>

**Texas Research Center for Laundry and Drycleaning**, at Texas Woman's University provides a facility for educational programs, research, training in laundering and garment care technology, and applied research relating to cleaning technology with consideration for environmental and quality concerns.

P.O. Box 425529, Denton, TX 76204

Dr. Charles Riggs

(940) 898-2670

Email: [criggs@twu.edu](mailto:criggs@twu.edu)

<http://www.twu.edu>

## **Testing and Standard Setting Resources**

**American Association of Textile Chemists and Colorists**

1 Davis Drive, Research Triangle Park, NC 27709

Dr. John Daniels, Executive Director

(919) 549-8141

<http://www.aatcc.org/Default.htm>

**American Society for Testing and Materials**

100 Bar Harbor Drive, West Conshohocken, PA 19428

(610) 832-9585

<http://www.astm.org>

# **TRADE PRESS**

**American Drycleaner**

500 North Dearborn Street, Chicago, IL 60610-4901

Ian P. Murphy, Editor

(312) 337-7700

<http://www.crain.com>

**ApparelNet** an online guide for the apparel industry, is a comprehensive, fast, free and easy-to-use resource for apparel-related companies, information, products and services. <http://www.apparel.net/about.cgi>

**Bobbin World**

Bobbin Publishing Group of Bill Communications.

P.O. Box 1986/1500 Hampton Rd, Columbia, SC 29201

(800) 845-8820 or 803-771-7500

<http://www.bobbin.com>

**Drycleaners News**

70 Edwin Avenue, PO Box 2180

Waterbury, CT 06722-2180

Dave Johnston, Editor

(203) 755-0158 or 800 325-6745

<http://www.dcn-online.com/dcn>

**International Journal of Clothing Science and Technology** is a referred journal and a key source of new research on clothing technology.

<http://www.emeraldinsight.com/ijcst.htm>

**Korean Drycleaners Times**

508 C 115th St, College Point, NY 11356

(718) 888-0802

Email: [drycleaneretimes@aol.com](mailto:drycleaneretimes@aol.com)

<http://www.drycleaneretimes.com>

**Laundry Today**

57 West 57th Street Suite 1410, New York, NY 10019

(212)-644-4344

<http://www.laundrytoday.com/>

**National Clothesline**

PO Box 340, Willow Grove, PA 19090-0340

(215) 830-8467

Email: [ncled@aol.com](mailto:ncled@aol.com)

<http://www.natclo.com>

**Textile Industries**

2100 Powers Ferry Road, Suite 300 Atlanta, GA 30339

(770) 955-5656

<http://www.textileindustries.com>

**Textile Red Book**

2100 Powers Ferry Rd, Atlanta, GA 30339

(770) 955-5656 or 800 533-8484

<http://billian.com/redbook>

**Western Cleaner and Launderer**

3236 Estado Street, Pasadena, CA 91107-2916

Albane F. Wentz, Publisher

(626) 793-2911

<http://www.wcl-online.com>

**Wetcleaning Update**

Center for Neighborhood Technology

2125 West North Avenue, Chicago, IL 60647

Anthony Star, Associate Editor

(773) 278-4800 ext. 117

<http://www.cnt.org/wetcleaning>