



U.S. ENVIRONMENTAL PROTECTION AGENCY

DESIGN FOR THE ENVIRONMENT

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GENERAL DfE INFORMATION

- Cleaner Technologies Substitutes Assessment: A Methodology and Resources Guide (Web Only) EPA 744-R-95-002 * December 1996 * (540pp)
- Design for the Environment: Building Partnerships for Environmental Improvement (NSCEP Only) EPA 744-R-99-003 * November 1999 * (150pp)
- Design for the Environment Program: Partnerships for a Cleaner Future EPA 744-F-00-020 * March 2001 * (4pp)
- Design for the Environment Projects Fact Sheet (Web Only) EPA 744-F-00-019 * March 2002 * (2 pp)
- Design for the Environment Be a Leader Fish Poster EPA 744-H-98-001 * March 1998

ADHESIVES

- * **Coming Soon-** Draft CTSA available for review @ www.epa.gov/dfe
- * **Coming Soon-** CTSA Final to appear late 2002

AUTO REFINISHING

- Automotive Refinishing Industry Isocyanate Profile, EPA Environmental Technology Initiative(Web Only) * May 1997 * (52pp)
- Design for the Environment Small Auto Refinish Shop Project in Philadelphia (Web Only) EPA 744-F-98-013 * August 1998 * (1p)
- Factors that Motivate Owners of Auto Refinish Shops to Implement Changes (Web Only) *April 1999 *
- Best practices for Auto Refinishers when Spray Painting (Web Only) EPA 744-F-00-002 * June 2000 * (1p)
- Best Practices for the Paint Mixing Room (Web Only) EPA 744-F-00-003 * June 2000 * (1p)
- HVLP Spray Guns: Cost-Effective, Environment-Friendly Technology (Web Only) EPA 744-F-00-004 * June 2000 * (1p)
- Choosing the Right Gloves for Painting Cars (Web Only) EPA 744-F-00-005 * June 2000 * (1p)
- User Friendly Supplied Air Respirators: Options for Auto Refinishers (Web Only) EPA 744-F-00-006 * June 2000 * (1p)
- Supplied-Air Respirators in Auto shops: Get the Best Protection (Web Only) EPA 744-F-00-007 * June 2000 * (1p)
- HVLP Spray Guns in the Auto Refinishing Shop: A Success Story (Web Only) EPA 744-F-00-014 * July 2000 *
- Managing Worker Health & Safety: An Auto Refinish Shop Success Story (Web Only) EPA744-F-00-017 * April 2001* (3pp)
- Breathing Easy.Ensuring Proper Ventilation of Paint Mixing Rooms in Auto Refinish Shops(Web Only) EPA744-F-02-008 * May 2002 * (4pp)
- Respiratory Protection Program for Auto Refinish Shops(Web Only) EPA744-F-02-009 * May 2002 * (26pp)
- Sample Respiratory Protection Program for Auto Refinish Shops(Web Only) EPA744-F-02-010 * May 2002 * (19pp)
- * **Coming Soon-** Isocyanate Emissions from Automotive Refinishing Facilities(Web Only)

COMPUTER DISPLAYS

- DfE Computer Display Project Fact Sheet EPA 744-F-98-010 * August 1998 * (2pp)
- Life-Cycle Assessment of Desktop Computer Displays: Summary of Results EPA 744-R-01-005 * March 2002 * (37pp)
- Desktop Computer Displays: A Life-Cycle Assessment, Volume 1 EPA 744-R-01-004a * December 2001 *
- Desktop Computer Displays: A Life-Cycle Assessment, Volume 2 EPA744-R-01-004b * December 2001 *
- Computer Display Industry and Technology Profile EPA 744-R-98-005 * December 1998 * (67pp)

DRYCLEANING/ GARMENT CARE

- Profile of the Drycleaning Industry (Web Only) EPA 310-R-95-001 * September 1995 * (84pp)
- Proceedings: Apparel Care and the Environment Alternative Technologies and Labeling EPA 744-R-96-002 * September 1996 * (219pp)
- Plain English Guide for Perc Dry Cleaners EPA 305-B-96-002 * August 1996 * (65pp)
- Plain Korean Guide for Perc Dry Cleaners EPA 305-B-96-001 * March 1997* (65pp)
- Training Curriculum for Alternative Clothes Cleaning (*Wetcleaning*), VOLUME I EPA 744-R-97-004-A * May 1997 * (114pp)
- Instructor's Manual, VOLUME II EPA 744-R-97-004-B * May 1997 * (180pp)
- Garment and Textile Care Program: An Eye To The Future: 1998 Conference Proceedings EPA 744-R-98-006 * June 1998 * (150pp)
- Cleaner Technologies Substitutes Assessment for Professional Fabricare Processes (CTSA) EPA 744-B-98-001 * June 1998 * (450pp)

- Cleaner Technologies Substitutes Assessment for Professional Fabricare Processes: SUMMARY EPA 744-S-98-001 * June 1998 * (49pp)
- Cleaner Technologies Substitutes Assessment for Professional Fabricare Processes: FACT SHEET EPA 744-F-98-011 * June 1998 * (2pp)
 - Spanish EPA 744-F-98-011-S * June 1998 * (2pp)
 - Korean EPA 744-F-98-011-K * June 1998 * (2pp)
- Cleaner Technologies Substitutes Assessment PEER REVIEW PROCESS EPA 744-S-98-002 * June 1998 * (130pp)
- Frequently Asked Questions About Drycleaning EPA 744-K-98-002 * June 1998 * (8pp)
 - Korean EPA 744-K-98-002-K * June 1998* (8pp)
 - Spanish EPA 744-K-98-002-S * June1998 * (8pp)
- List of Major Federal Regulations and Standards Affecting Petroleum Cleaners FACT SHEET (Web Only) EPA 744-F-99-005 * May 1999 * (2pp)
- Wetcleaning Systems for Garment Care, CASE STUDY EPA 744-F-98-016 * May 1999 * (8pp)
- Liquid Carbon Dioxide (CO2) Surfactant System for Garment Care, CASE STUDY EPA 744-F-99-002 * May 1999 * (8pp)
- Water-Based Cleaning System for Suede and Leather, CASE STUDY EPA 744-K-98-017 * May 1999 * (4pp)
- Garment and Textile Care Program FACT SHEET EPA 744-F-98-012 * June 1999 * (2pp)
 - Korean EPA 744-F-98-012-K * Feb 1999 * (2pp)
 - Spanish EPA 744-F-98-012-S * Feb 1999 * (2pp)
- Military Uniform Cleaning Study FACT SHEET EPA 744-F-01-003 * June 2001* (2pp)
- 100% Wetcleaning Facility: Route-Only Service, CASE STUDY EPA 744-F-01-004 * June 2001 * (4pp)
- Garment and Textile Care Resource Guide EPA 744-K-98-005 * June 2001 * (20pp)
- The Cleaner Guide: List of cleaners offering wetcleaning, liquid CO2 and silicone (Web Only) EPA 744-F-01-007 * June 2001 * (9pp)

ENVIRONMENTAL MANAGEMENT SYSTEMS

- Bulletin #1: Using Design for the Environment Concepts in Your EMS EPA 744-F-98-004 * July 1998 * (6pp)
- Environmental Management Systems for Printers: It's a Bottom Line Benefit (video) EPA 744-V-99-001 * January 1999 * (21 min)
- Integrated Environmental Management Systems: Company Manual Template for Small Business EPA 744-R-00-012 * December 2000 *
- Integrated Environmental Management Systems: Implementation Guide EPA 744-R-00-011 * October 2000 * (270pp)
- Case Study #1: Using an Integrated Environmental Management System to Manage Environmental Concerns EPA 744-F-01-002 * April 2001 * (6pp)

FORMULATOR INITIATIVE

- Considerations for Partnership (Web Only) EPA744-F-98-009 * January 1999 *
- Design for the Environment: Formulator Partnership Initiative- EPA and Industry Working Together (Web only) * August 2000 * (1pp)
- Invitation to Partner and worksheet to Evaluate Alternative Ingredients: A Note to Cleaning Formulators (Web Only) * August 2000 * (1pp)

INDUSTRIAL & INSTITUTIONAL LAUNDRY

- Design for the Environment: Industrial and Institutional Laundry Partnership Initiative- EPA and Industry Working Together (Web) . . . EPA744-F-98-008 * November 1999 *
- Invitation to Partner and Worksheet to Evaluate Alternative Ingredients: A Note to Industrial and Institutional Laundry Formulators (Web Only) * August 2000 *
- Boilerplate Memorandum of Understanding: Formulators for Institutional Laundries (Web Only) * August 2000 *

LEAD-FREE SOLDER

- DfE Lead-Free Solder Partnership: Assessing Life-cycle Impacts EPA744-F-02-007 * June 2002 *

PRINTED WIRING BOARDS

Project Summaries

- DfE Printed Wiring Board Project Fact Sheet EPA 744-F-99-006 * December 1999 * (2pp)
- Design For the Environment Project Releases Direct Metalization Performance Results (NCSEP Only) EPA 742-F-97-007 * January 1997 * (6pp)

Reference/Technical Reports

- Alternative Technologies for Surface Finishing (CTSA SUMMARY) EPA 744-R-01-001 * June 2001 * (42pp)
- Printed Wiring Board Surface Finishes: Cleaner Technologies Substitutes Assessment, Vol. 1 EPA 744-R-01-003a * June 2001 * (479pp)
- Printed Wiring Board Surface Finishes: Cleaner Technologies Substitutes Assessment, Vol. 2 EPA 744-R-01-003b * June 2001* (418pp)
- Implementing Cleaner Printed Wiring Board Technologies: Surface Finishes EPA 744-R-00-002 * March 2000 * HTML Version * (41pp)
- Alternative Technologies for Making Holes Conductive: Cleaner Technologies for PWB Manufacturers (CTSA SUMMARY).. EPA 744-R-98-002 * September 1998 * (44pp)
- Cleaner Technologies Substitutes Assessment: Making Holes Conductive: Volume 1 EPA 744-R-98-004a *September 1998 * (405pp)
- Cleaner Technologies Substitutes Assessment: Making Holes Conductive: Volume 2 EPA 744-R-98-004b * September 1998 * (410pp)
- Implementing Cleaner Technologies in the Printed Wiring Board Industry: Making Holes Conductive EPA 744-R-97-001 * February 1997 * HTML Version * (60pp)

- Pollution Prevention and Control Technology: Analysis of Updated Survey Results EPA 744-R-98-003 * August 1998 * (143pp)
- Pollution Prevention and Control: Analysis of Survey Results EPA 744-R-95-006 * September 1995 * HTML Version * (142pp)
- Industry and Use Cluster Profile EPA 744-R-95-005 * September 1995 * HTML Version * (84pp)
- Federal Environmental Regulations Affecting the Electronics Industry EPA 744-B-95-001 * September 1995 * HTML Version * (67pp)

Pollution Prevention Case Studies

- Case Study #1: Pollution Prevention Work Practices EPA 744-F-95-004 * July 1995 * HTML Version * (4pp)
- Case Study #2: On-Site Etchant Regeneration EPA 744-F-95-005 * July 1995 * HTML Version * (4pp)
- Case Study #3: Opportunities for Acid Recovery and Management EPA 744-F-95-009 * September 1996 * HTML Version * (4pp)
- Case Study #4: Plasma Desmear: A Case Study EPA 744-F-96-003 * September 1996 * HTML Version * (4pp)
- Case Study #5: A Continuous-Flow System for Reusing Microetchant EPA 744-F-96-024 * December 1996 * HTML Version * (4pp)
- Case Study #6: Pollution Prevention Beyond Regulated Materials EPA 744-F-97-006 * May 1997 * HTML Version * (4pp)
- Case Study #7: Identifying Objectives for Your Environmental Management System EPA 744-F-97-009 * December 1997 * HTML Version * (4pp)
- Case Study #8: Building an Environmental Management System: H-R Industries' Experience EPA 744-F-97-010 * December 1997 * HTML Version * (4pp)
- Case Study #9: Flexible Simulation Modeling of PWB Costs EPA 744-F-99-004 * May 1999 * HTML Version * (4pp)

PRINTING

General

- Federal Environmental Regulations Potentially Affecting the Commercial Printing Industry EPA 744-B-94-001 * April 1994 * (76pp)
- Printing Industry and Use Cluster Profile EPA 744-R-94-003 * June 1994 * (183pp)

Flexography

- An Evaluation of Flexographic Inks on Wide-Web Film: Summary Booklet EPA 744-R-02-002 * April 2002 * (58pp)
- Flexographic Ink Options: A Cleaner Technologies Substitutes Assessment, Vols 1 & 2 EPA 744-R-02-001 a & b * February 2002 * (400pp)
- Options for Cleaner Flexo Inks: Highlights from the Flexo CTSA (brochure) EPA 744-F-02-004 * April 2002 * (4pp)
- Pollution Prevention: Tips for Flexography Professionals EPA 744-F-02-011 * August 2002 * (4pp)
- Developing Cleaner Ink Formulations: A Flow Chart for Ink Formulators (brochure) EPA 744-F-02-003 * April 2002 * (6pp)
- Inside Flexo: A Cleaner Run for the Money (video) EPA 744-V-98-001 * June 1998 * (19 min)
- Case Study #1: Reducing VOCs in Flexography (also in Spanish) EPA 744-F-96-013 * March 1997 * (4pp)
- Case Study #2: Learning from Three Companies that Reduced VOC Emissions (also in Spanish) EPA 744-F-96-016 * June 1997 * (4pp)

Gravure

- The Effect of Ink Temperature on Solvent Losses and Print Quality EPA 744-F-01-001 * February 2001 * (6pp)

Lithography

- Case Study #1: Managing Solvents and Wipes EPA 744-K-93-001 * October 1995 * (4pp)
- Case Study #2: Pollution Prevention at Custom Print (also in Spanish) EPA 744-F-96-001 * August 1996 * (4pp)
- Bulletin #1 : Substitute Blanket Washes - Making them Work (also in Spanish) EPA 744-F-96-002 * August 1996 * (4pp)
- Bulletin #2: Workplace Practices Make The Difference (also in Spanish) EPA 744-F-96-008 * September 1996 * (4pp)
- Bulletin #3: Vegetable Ester Blanket Washes (also in Spanish) EPA 744-F-96-014 * October 1996 * (4pp)
- Bulletin #4: A Worksheet to Help You Choose a Better Wash (also in Spanish) EPA 744-F-96-015 * October 1996 * (6pp)
- CTSA Booklet: Solutions for Lithographic Printers EPA 744-F-96-009 * September 1997 * (30pp)
- Cleaner Technologies Substitutes Assessment: Lithographic Blanket Washes EPA 744-R-97-006 * October 1997 * (500pp)
- Lithography Project Fact Sheet (Web Only) EPA 744-F-95-008

Screen Printing

- Cleaner Technologies Substitutes Assessment: Screen Reclamation EPA 744-R-94-005 * September 1994 * (680pp)
- Case Study #1: Reducing the Use of Reclamation Chemicals in Screen Printing (also in Spanish) EPA 744-F-93-015 * October 1995 * (4pp)
- Designing Solutions for Screen Printers: An Evaluation of Screen Reclamation Systems EPA 744-F-96-010 * September 1996 * (52pp)
- Case Study #2: Changing Equipment and Reducing Solvent Use In Screen Reclamation (also in Spanish) EPA 744-F-96-011 * September 1996 * (4pp)
- Case Study #3: Innovations in Adhesives, Screen Cleaning, and Screen Reclamation EPA 744-F-96-012 * September 1996 * (4pp)
- Bulletin #1: Technology Alternatives for Screen Reclamation (also in Spanish) EPA 742-F-95-008 * July 1996 * (4pp)
- Bulletin #2: Smarter, Safer, Screen Reclamation: Alternative System Epsilon (also in Spanish) EPA 742-F-95-009 * July 1996 * (4pp)
- Bulletin #3: Work Practice Alternatives for Screen Reclamation (also in Spanish) EPA 742-F-95-010 * July 1996 * (4pp)
- Bulletin #4: Smarter, Safer Screen Reclamation: Alternative System Chi (also in Spanish) EPA 742-F-95-011 * July 1996 * (4pp)
- Your Screen Reclamation System EPA 744-F-96-023 * May 1997 * (4pp)

- P2/FINANCE for Screen Printers (Brochure) EPA 742-F-98-018 * March 1998 * (98pp)
- Pollution Prevention at Action Graphics, Inc. (video) EPA 744-V-96-001 * (17 min)
- Screen Printing Project Fact Sheet (Web Only) EPA 744-F-95-003

SUPPLIER INITIATIVE

- EPA and the US Navy: A Pollution Prevention Partnership EPA 744-B-99-001 * April 1999 * (8pp)