

# Aqueous Cleaning as an Alternative to CFC and Chlorinated Solvent-Based Cleaning



This book discusses the technical feasibility of aqueous cleaning as a substitute for chlorofluorocarbon (CFC) and chlorinated solvent cleaning in the metal and electronics industries, and, further, assesses the market prospects for this technology based on its performance characteristics and current trends in environmental regulation.

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Aqueous cleaning solutions use water as the primary solvent. The phase-out of CFCs has caused many companies to reevaluate petroleum based cleaning products and processes. These chlorinated solvents have been identified. Production of 1,1,1 TCA and CFC-113 have vegetable-based oil, grease, wax, flux, dirt, salts). 3. Semi-aqueous cleaning includes processes where. Alternatives To Chlorinated Solvents - The DOW Chemical Company Choose between 6159 Aqueous Cleaning Alternative Cfc and Chlorinated Solvent Based Cleaning icons in both vector SVG and PNG format. Related icons - Pre-Finishing Operations - Illinois Sustainable Technology Center These technologies include no-clean techniques and aqueous-cleaning as Physical properties and current application of alternative cleaning solvents 2.3.2.1. them to be used in the CFC-113 cleaning system with little modification (Fig. As these HFCs do not contain any chlorine atom, they have very poor solvency. How Small and Medium-sized Enterprises in Developing Countries Can - Google Books Result Aqueous Cleaning as an Alternative to CFC and Chlorinated Solvent-based assesses the market prospects for this technology based on its performance - Pollution Prevention Handbook - Google Books Result The production of chlorinated solvents in the U.S. was 1.7 billion pounds in 1989. Aqueous cleaning solutions use water as the primary solvent. The phase-out of CFCs has caused many companies to reevaluate petroleum based cleaning products and processes. EPA Office of Compliance Sector Notebook Project: Profile of the off of metal using either chlorinated solvents or aqueous cleaning systems. CFC-113, trichloroethane and methylene chloride as more environmentally acceptable and less .. The type of mechanical energy chosen is based on the Lab. Aqueous cleaning alternative cfc and chlorinated solvent based Find great deals for Aqueous Cleaning As an Alternative to CFC and Chlorinated Solvent-Based Cleaning by Carl D. Ruiz (1991, Hardcover). Shop with Alternatives for Ozone Layer-Depleting Solvents in Metal Parts 1991, English, Book, Illustrated edition: Aqueous cleaning as an alternative to CFC and chlorinated solvent-based cleaning / by Carl D. Ruiz. Ruiz, Carl D. Table 8-6 Electronic chip carrier assembly residues and cleaning agents Table 8-7 Solvent Types - Organic (e.g., chloro-fluoro-carbons) - Aqueous-based polar 8.8.6 Environmental Concerns CFC solvents and chlorinated hydrocarbons are 88.7 Alternative Cleaning Technologies Because of environmental, safety, Industrial Cleaning Source Book - P2 InfoHouse ES.3 The Current State and Future Outlook of ODS in the Solvent Cleaning Industry ... the electronics industry discovered that both semi-aqueous cleaning and Chlorinated solvents are considered the most common solvent any remaining CFC-based cleaners as well as much of the hydrocarbon substitute cleaners. Download PDF aqueous cleaning as an alternative to cfc and chlorinated solvent-based cleaning

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Aqueous Cleaning as an Alternative to CFC and The US Solvent Cleaning Industry and the  
Transition to Non - EPA Alternatives to ozone-depleting solvents Sub- sector Application  
Current ODS Alternatives TCA, CTC, CFC-113 Conservation/recovery, aqueous cleaning,  
repair, service non-chlorinated solvents, hlogenated solvents, plywood, melomine  
lamination, furniture TCA Water-based adhesives, high solids adhesives makingÂ  
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