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Applications of Cu-Catalyzed Aerobic Oxidation Reactions; References; Chapter 6: Copper-Catalyzed Aerobic Alcohol Oxidation; 6.1 Introduction; 6.2 Chemistry and Catalysis; 6.3 Prospects for Scale-Up; 6.4 Conclusions; References; Chapter 7: Phenol Oxidations; 7.1 Polyphenylene Oxides by Oxidative Polymerization of Phenols; 7.2 2,3,5-Trimethylhydroquinone as a Vitamin E Intermediate via Oxidation of Methyl-Substituted Phenols; References; Part III: Pd-Catalyzed Aerobic Oxidation

Chapter 8: Pd-Catalyzed Aerobic Oxidation Reactions: Industrial Applications and New Developments 8.1 Introduction; 8.2 Chemistry and Catalysis: Industrial Applications; 8.3 Chemistry and Catalysis: Applications of Potential Industrial Interest; 8.4 Chemistry and Catalysis: New Developments and Opportunities; 8.5 Conclusion; References; Chapter 9: Acetaldehyde from Ethylene and Related Wacker-Type Reactions; 9.1 Introduction; 9.2 Chemistry and Catalysis; 9.3 Process Technology (Wacker Process); 9.4 Other Developments; References; Further Reading; Chapter 10: 1,4-Butanediol from 1,3-Butadiene

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