

1. Record Nr.	UNINA9910463689803321
Titolo	Handbook of MTBE and other gasoline oxygenates / / edited by Halim Hamid, Mohammad Ashraf Ali
Pubbl/distr/stampa	New York : , : Marcel Dekker, , 2004
ISBN	0-429-21544-4 1-135-53713-5 9786610108824 0-8247-5201-5 661010882X 1-280-10882-7 0-203-02144-4
Descrizione fisica	1 online resource (381 p.)
Collana	Chemical industries ; ; v. 101
Altri autori (Persone)	Hamid Halim Ali Md. Ashraf (Mohammad Ashraf)
Disciplina	661.84
Soggetti	Butyl methyl ether Chemical industry Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface; Contents; Contributors; Introduction; Properties of MTBE and Other Oxygenates; Blending Properties of MTBE and Other Oxygenates in Gasoline; Zeolites as Catalysts for Ether Synthesis; Fluorinated Zeolite-Based Catalysts; Heteropolyacids as Catalysts for MTBE Synthesis; Ethanol-Based Oxygenates from Biomass; Catalytic Distillation Technology Applied to Ether Production; Commercial Production of Ethers; Kinetics of tertiary-Alkyl Ether Synthesis; Thermodynamics of Ether Production; Air Control Technologies for MTBE: Bioremediation Aspects of MTBE MTBE Removal by Air Stripping and Advanced Oxidation Processes Adsorption Process for the Removal of MTBE from Drinking Water; Impact of MTBE Phaseout on the Petroleum and Petrochemical Industries; Index

## Sommario/riassunto

This handbook presents the outlook for future production and consumption of MTBE and other oxygenates worldwide and studies new catalytic systems and modern methods for the synthesis and commercial production of methyl tertiary-butyl ether (MTBE) and related ethers. The scope of this sophisticated guide extends from process chemistry fundamentals and reaction kinetics to environmental remediation technologies and industry responses to conflicting calls for MTBE phase-out and higher-octane products. Well-illustrated with over 200 figures and tables, this authoritative Handbook details bioremedi

---