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ABSTRACT

USE OF ZEOLITES IN THE CONVERSION
OF OXYGENATES TO HYDROCARBONS

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A process for converting an oxygenate feed to light olefins using a microporous zeolite catalysts such as ECR-1, mazmorites, and/or ECR-18 is provided. In a preferred embodiment, the process is conducted at 440°C to 460°C using a methanol:water (approximately 1:4 molar ratio) feed.

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