

## 2400 BPD MTBE PLANT FOR SALE

(Note: TAME Unit Also Available – Plant #276)

Capacity: 2400 BPD  
3360 BPD  
(if include other hydrocarbons)

Year Built: 1992

Shut Down: 2005

Technology: CD Tech

Raw Materils: C4 Fraction  
from Refinery

Major Equipment (includes):

- MTBE Primary Reactor
- MTBE Water Wash Column
- MTBE Catalytic Distillation Column
- MTBE Methanol Extraction Column
- Methanol Recovery Column
- MTBE Catalytic Distillation Column Reboiler
- MTBE Catalytic Distillation Column Condenser
- MTBE Methanol Extractor Feed Cooler
- Recycle Water Cooler
- Methanol Recovery Column Feed/BottomExchanger

Documentation: Full Documentation  
Available



Phoenix Equipment Corporation  
[www.phxequip.com](http://www.phxequip.com)  
+1 732 442 6990

Jesse Spector  
Vice President  
[jesses@phxequip.com](mailto:jesses@phxequip.com)

Ed Zhang  
Plant Sales Manager  
[edz@phxequip.com](mailto:edz@phxequip.com)

### Technology Features

The process is based on a two-step reactor design, consisting of a boiling point fixed bed reactor followed by final conversion in a catalytic distillation column. The process utilizes an acidic ion exchange resin catalyst in both its fixed bed reactor and catalytic distillation structures. The distillation allows a high conversion of isobutylene (exceeding fixed bed equilibrium limitation) to be achieved simply and economically. By using distillation to separate the product from the reactants, the equilibrium limitation is exceeded and higher conversion of isobutylene is achieved. Catalytic distillation also takes advantage of the improved kinetics through increased temperature without penalizing equilibrium conversion.

Contact Us for More Details