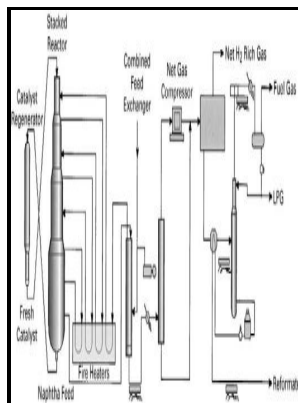


# Catalytic naphtha reforming.

Marcel Dekker - Catalytic reforming



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## Catalytic Reforming

They have low equilibrium constants and may not reach equilibrium before exiting the reactor. Table 3-7 shows the properties of feed and products from Chevron Rheinforming process.

### A naphtha reforming process development methodology based on the identification of catalytic reactivity descriptors

Flow diagram of a Chevron Rheinforming unit: 1 sulfur sorber, 2-4 reactors, 5 separator, 6 stabilizer.

### Catalytic Naphtha Reforming Process The Petro Solutions

In certain other processes, an additional reactor is used Swing reactor. The increased stability of these catalysts allowed operation at lower pressures. Also, the molecules with 6 carbon atoms tend to form aromatics which is undesirable because governmental environmental regulations in a number of countries limit the amount of aromatics most particularly that gasoline may contain.

### Progress in catalytic naphtha reforming process: A review

The continuous reforming process has the advantage of operation at low pressures and high severity. This critical review is not an extensive analysis of existing naphtha reforming kinetic modelling methodologies or advances in catalytic behaviour elucidation. Low flow should be avoided, as it will result in accelerated coke laydown.

### Catalytic reforming

Hydrodealkylation may be represented by the reaction of toluene and hydrogen. The hydrogen is also necessary in order to any polymers that form on the catalyst.

### Catalytic Reforming Yields, Advantages, and Disadvantages

The gaseous product consists of 60-90 mol % purity hydrogen and C1~ C4 lighter hydrocarbons.



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