

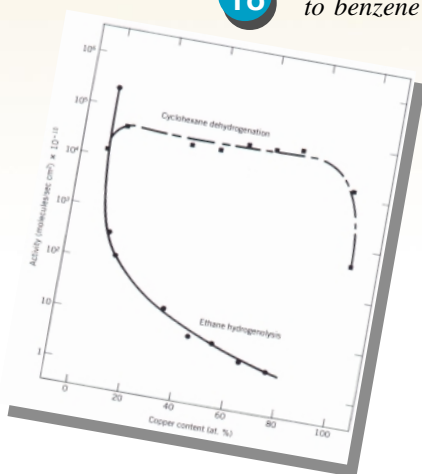


## UOP Purzaust Auto Exhaust Treatment system accepted by Chrysler and is installed on 1975 models.



Different activity patterns as alloy composition changes for the hydrogenolysis of ethane to methane and dehydrogenation of cyclohexane to benzene

18



1972:

18

Extensive studies of metal alloy catalysts by Sinfelt and coworkers results in demonstration of different activity patterns as alloy composition changes for the hydrogenolysis of ethane to methane and dehydrogenation of cyclohexane to benzene (J. H. Sinfelt, J. L. Carter and D. J. C. Yates, *J. Catal.*, 24, 283 (1972)).

1974:

19

UOP Purzaust Auto Exhaust Treatment system accepted by Chrysler and is installed on 1975 models.

1974:

F. Sherwood Roland and M. Molina discover chlorine-catalyzed ozone depletion in the atmosphere.

1975:

B. Delmon organizes the first meeting for the Scientific Basis for the Preparation of Heterogeneous Catalysts.

1975:

State of dispersion of small Pt and Pd metal particles in zeolites (P. Gallezot et. al., *J.Catal.*, 39, 334 (1975)).

1975:

Demonstration that poisons of metallic catalysts are selective, decreasing rates of structure-sensitive and structure-insensitive reactions differently (R. Maurel, G. Leclercq and J. Barbier, *J. Catal.*, 37, 324 (1975)).

1976:

Mobil Oil management announces the discovery of methanol-to-gasoline conversion using their ZSM-5 zeolite catalyst (*Chemtech*, 6, 86-9 (1976)).

1978:

Discovery of the strong metal support interaction (SMSI) and its role in altering the adsorptive properties of the metal function. (S. J. Tauster, S. C. Fung and R. L. Garten, *JACS*, 100, 170 (1978)).

1979:

Tennessee Eastman selects rhodium as catalyst for producing acetic anhydride from coal.

19

UOP Purzaust Auto Exhaust Treatment system accepted and put to use by major automobile manufacturers.

