

触媒を利用する反応別製品リスト

(Note: Generally the catalysts are used as paste containing approx. 50% water, in case water is not tolerated in the reaction then the catalyst is supplied as dry powder.)

	Pd/C						Pd/CaCO ₃	Pd/Al ₂ O ₃	Pt/C				Rh/C	Rh/Al ₂ O ₃	Ru/C	
	★	5% 10%	5%	5% 10%	10%	20%	5%	5%	3% 5% 10%	5%	5% 10%	1%	5%	5%	5%	
	★★	39	58	487	490	91	21	24C	18	18MA	117	163	20A	525	19	
Hydrogenation of Aliphatic Nitriles to Amines			○	○												
Hydrogenation of Aromatic Nitriles to Amines				○					○	○	○					
Reductive Alkylation of Anilines or substituted Anilines				○												
Reductive Amination of Aliphatic Alcohols			○													
Reductive Amination of Aliphatic Ketones			○	○												
Reductive Amination of Phenols			○	○												
Reductive Amination of Aromatic Aldehydes and Ketones				○												
Hydrogenation of Imines to Amines				○					○	○	○					
Hydrogenation of Oximes to Amines						○			○	○	○					
Hydrodehalogenation of Aliphatic and Aromatic Halocompounds		○			○											
Hydrogenation of Acid Chlorides to Aldehydes (Rosenmund Reduction)				○												
Hydrogenolysis of Benzyl Groups (Debenzylation)		○		○	○											
Hydrogenolysis of Cyclopropanes				○												
Hydrogenolysis of Oxyranes				○												
Hydrogenolysis of Furans				○												
Disproportionation of Rosins				○												
C-C Coupling (Heck and Suzuki Reaction)				○		○										
Dehydrogenation of Alkanes to Olefins							○		○	○	○					
Dehydrogenation of Cycloalkanes to Aromatics									○	○	○					
Dehydrogenation of Cyclohexanols to Cyclohexanones																
Hydrogenation of Acetylenes to Olefins							○	○								
Hydrogenation of Olefins to Alkanes								○								
Hydrogenation of Aromatics to Cycloalkanes				○				○					○	○	○	○
Hydrogenation of Phenols to Cyclohexanones				○				○					○	○	○	○
Hydrogenation of Phenols to Cyclohexanols				○				○					○	○	○	○
Hydrogenation of Anilines to Cyclohexyl Amines				○				○					○	○	○	○