Electronic Supplementary Material (ESI) for Catalysis Science & Technology. This journal is © The Royal Society of Chemistry 2017

SUPPORTING INFORMATION

Highly dispersed copper (oxide) nanoparticles prepared on SBA-15 partially occluded with P123 surfactant. Toward the design of active hydrogenation catalysts

B. Dragoi,^a I. Mazilu,^{a,b} A. Chirieac,^a C. Ciotonea,^{a,b,c} A. Ungureanu,^{a,*}, E. Marceau,^c E. Dumitriu,^a S. Royer^{b,c},^{*}

^{a.} "Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, 73 D. Mangeron Bvd., 700050 Iasi, ROMANIA.

 ^{b.} Université de Poitiers, CNRS UMR 7285, Institut de Chimie des Milieux et Matériaux de Poitiers (IC2MP), Bâtiment B35, 6 Rue Michel Brunet - TSA 51106, 86073 Poitiers Cedex 9, FRANCE.

^{c.} Univ. Lille, CNRS, ENSCL, Centrale Lille, Univ. Artois, UMR 8181 - UCCS - Unité de Catalyse et de Chimie du Solide, F-59000 Lille, France

Figure S1. TG profiles of as-made SBA-15_am, partially extracted SBA-15_e and calcined SBA-15_c	S 3
support materials.	
Figure S2. FTIR spectra of as-made SBA-15_am, partially extracted SBA-15_e and calcined SBA-15_c	S4
support materials.	
Figure S3. Low-magnification TEM image of Cu5_SBA-15_c sample.	S 5
Figure S4. High-magnification TEM image of Cu5_SBA-15_e sample after exposure	S6
to electron beam for different times	
Figure S5. Selectivity of Cux_SBA-15_c catalysts	S7, 8



Figure S1. TG profiles of as-made SBA-15_am, partially extracted SBA-15_e and calcined SBA-15_c support materials



Figure S2. FTIR spectra of as-made SBA-15_am, partially extracted SBA-15_e and calcined SBA-15_c support materials



Figure S3. Low-magnification TEM image of Cu₅_SBA-15_c sample.



Figure S4. High-magnification TEM image of Cu₅_SBA-15_e sample after exposure to strong electron beam for different times: 1 min (A), 3 min (B) and 5 min (C)





Figure S5. Selectivity of Cux_SBA-15_e catalysts