

Materials List for:

Imine Metathesis by Silica-Supported Catalysts Using the Methodology of Surface Organometallic Chemistry

Maha A. Aljuhani¹, Jérémie D.A. Pelletier¹, Jean-Marie Basset¹

¹KAUST Catalysis Center, Division of Physical Sciences and Engineering, King Abdullah University of Science and Technology (KAUST)

Correspondence to: Jérémie D.A. Pelletier at jeremie.pelletier@kaust.edu.sa

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Materials

Name	Company	Catalog Number	Comments
Fumed silica (AEROSIL® 200)	Sigma-Aldrich	112945-52-5	
tetrakis(dimethylamido)hafnium(IV) Hf(NMe ₂) ₄	Strem Chemicals	19782-68-4	
Pentane		109-66-0	
Nicolet 6700 FT-IR spectrometer	Thermo Scientific	IQLAADGAAGFAEFMAAI	equipped with a controlled-atmosphere cell
Ultashield 600WB plus 600 MHz NMR Bruker AVANCE III solid-state NMR spectrometer	Bruker	-	Magnet BZH 09/600/107B
5110 ICP-OES	Agilent Technologies	G8015A	EPA 3052 method for digestion
Ethos1 (Advanced Digestion System)	Milestone	-	
Gas Chromatography (GC)	Agilent Technologies	G1701EA	inert XL MSD With Triple-Axis Detector
DNP-SENS-NMR 400 MHz (1H/ electron Larmor frequencies) Bruker Avance III solid-state NMR spectrometer	Bruker	-	equipped with a 263-GHz gyrotron.
FLASH 2000 CHNS/O Analyzer	Thermo Scientific	-	
N-(4-Phenylbenzylidene)benzylamine	Sigma-Aldrich	118578-71-5	
N-(4-Fluorobenzylidene)-4-fluoroaniline	Sigma-Aldrich	39769-09-0	
N-Benzylidenetert-butylamine	Sigma-Aldrich	6852-58-0	
Toluene	Sigma-Aldrich	108-88-3	