Catalytic Static Mixer Ru/Al₂O₃ - Ruthenium on Alumina

DESCRIPTION

Ruthenium on alumina Catalytic Static Mixer (CSM) 316L to fit reactor tube ID of 10mm dia x 250mm long. Multiple CSM's can be inserted into longer reactor tubes.

This CSM is a general hydrogenation/dehydrogenation catalyst that exhibits high activity with low selectivity. This CSM is not stable in alkali media.

DETAILS

Core: 3D printed 316L stainless steel Catalyst: Ru/Al₂O₃ Mixer Shape: Cylindrical Dimensions: 9.5mm diameter x 249mm length Part No: Ru/Al2O3-316L-10R250-A



Catalytic static mixers are a novel immobilized catalyst system, based on 3D printed mixer scaffolds containing a catalytic active layer. A variety of different active catalysts can be deposited on the metal mixer, allowing employment in many different classes of chemical reactions, such as hydrogenations, oxidations, C-C couplings and many more.

Ru/Al₂O₃ mass is ~1500mg/Mixer. Mixer volume 4849mm³.

CATALYSTS

APPLICATIONS



CARBONYL REDUCTION



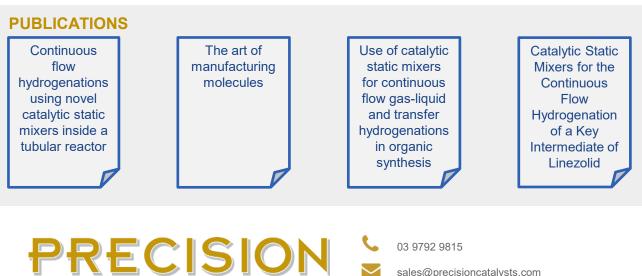
ALKENE REDUCTION

HYDROGENATIONS

ALKYNE REDUCTION



DEHYDROGENATIONS



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