

MSA-FC C-1

Metals Scavenging Agent

Metals removal for hetero/homogenous applications

Description

BASF metals scavenging agent (MSA-FC C-1) is a carbon-based powder suitable for the removal of dissolved metal species from organic reaction mixtures.

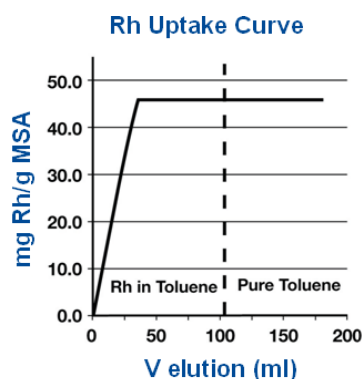
Applications

BASF MSA-FC C-1 can be used in both slurry and fixed bed type applications and is temperature stable up to 110°C. It is particularly effective in a-polar solvents and is especially suited for use in the removal of strongly ligated metal complexes. The presence of water and small chain alcohols may impact the total uptake capacity.

Typical Applications Include:

- Removal of dissolved metal after catalytic reaction
- Rh(DUPHOS)(COS)BF₄ from isopropanol
- Reaction mixture of a hydrogenation reaction using homogeneous catalyst
- Metal removal from Suzuki or Heck coupling reaction mixture

Refer to the graph below.



Typical Physical Properties

Bulk Density, g/mL	0.60
PSD, μm	D50 = 27
LOI ¹¹⁰ , wt%	3-5

Typical Specifications

Description	Black free-flowing powder
Metals Removed	Effective on both precious and base metals
Metal Loading Capacity	Up to 5%, depending on metal and process conditions
Support Type	Activated Carbon
Applications	Slurry or fixed bed
Reaction Mixtures	Polar and a-polar solvents

Availability

Research quantities are available by order through Strem Chemicals, Inc. on the web at www.strem.com. Commercial quantities are available directly from BASF.

About Us

BASF's Catalysts division is the world's leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF's Catalysts division develops unique, proprietary solutions that drive customer success.

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