



We create chemistry

Product Data Sheet

Blocking Group Removal Catalysts

Robust and Cost Effective Deprotection Reactions

Description

BASF's Blocking Group Removal catalysts technology was developed in response to the specific needs of the pharmaceutical and fine chemical marketplace.

Characterized by a unique deposition technology used in conjunction with strict adherence to a narrow range of catalyst supports, BASF's Blocking Group Removal catalysts are designed to achieve significant cost savings in reactions requiring a deprotection step.

BASF's Blocking Group Removal catalysts ensure fast, optimal removal of blocking groups used in organic synthesis.

In addition to high catalytic activity and superior selectivity, these catalysts exhibit enhanced filtration characteristics.

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.

Typical Applications

BASF's Blocking Group Removal catalysts are typically used for removing protecting groups such as benzyl, f-MOC or t-BOC from a large variety of multi-functionalized organic molecules.

As a result of superior application performance, variables such as metal loading can be modified to optimize catalytic activity or decrease costs, depending on the particular application needs.

Furthermore, the higher intrinsic activity increases reactor throughput per unit time, or allows consideration of solvents such as toluene, NMP or THF.

Typical Properties

Active Metal	Palladium
Active Metal Content, wt%	3, 5, 10
Type	Reduced or unreduced, Water-wet or dry
Support	Activated carbon powder
Surface Area, m ² /g	900–1500
Metal Distribution	Edge, mixed, or uniform
Mean Particle Size (laser), μm	20–40

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 Catalysts develops unique, proprietary catalyst and adsorbent solutions that drive customer success.

BASF - We create chemistry

BASF Catalyst Headquarters

BASF Catalysts LLC
25 Middlesex/Essex Turnpike
P.O. Box 0770
Iselin, New Jersey 08830-0770 USA
Tel: +1-732-205-5000
Fax: +1-732-205-5687
Email: catalysts-americas@basf.com

Americas

Americas Customer Care

BASF Catalysts LLC
100 Campus Drive
Florham Park, NJ 07932 USA
Tel: +1-800-889-9845
+1-973-245-7445
Fax: +1-864-332-5087

Asia Pacific

Asia Customer Care

BASF (China) Company Limited
300 Jiang Xin Sha Road,
Pudong, Shanghai 200137
P.R. China
Tel: +86-21-2039 2549
Fax: +86-21-2039 4800-2549
Email: catalysts-asia@basf.com

Europe, Middle East, Africa

BASF Worldwide Headquarters

BASF SE
BASF Nederland B.V.
Tel: +31-30-6669555
Fax: +31-30-6669340
Email: catalysts-emea@basf.com

Europe Customer Care

BASF Italia Srl – Catalysts
00131 Rome, Italy
Tel: +39-06-41992605
Fax: +39-06-41992338

Although all statements and information in this publication are believed to be accurate and reliable, they are presented gratis and for guidance only, and risks and liability for results obtained by use of the products or application of the suggestions described are assumed by the user. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH. Statements or suggestions concerning possible use of the products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that toxicity data and safety measures are indicated or that other measures may not be required. © 2009 BASF

For more information, contact the BASF Catalysts office in your region or visit

www.catalysts.basf.com/chemicals