



We create chemistry

焦炉轻油加氢

面向钢铁和焦化工业的增值工艺

焦炉轻油 (Coke Oven Light Oil - COLO) 是煤炭焦化过程中的一种副产品。从焦炉气中分离出的焦炉轻油含有大量的芳烃，其中又以苯含量最高。化学级苯被广泛用于制造消费品用聚合物或塑料。

巴斯夫先进的双反应炉催化加氢工艺旨在帮助钢铁和炼焦行业从焦炉轻油中回收化学级苯。随著高质量的化学级苯在亚洲价格和需求的双双上涨，通过该技术回收焦炉轻油将为钢铁和焦炭生产商带来巨大的收益。

巴斯夫正与多个业内知名的工程公司合作，久经市场考验的化学反应装置和流程设计将为我们提供一个坚实的基础。该工艺现已被全球众多大型钢铁和焦炭企业采用，并为钢铁行业价值链创造了更高价值。

如欲了解更多巴斯夫工艺催化剂及技术，请与我们联系。

关于巴斯夫催化剂

巴斯夫催化剂业务部是全球环境和工艺催化剂业务的领导者，为技术开发提供精湛的专业知识，以保护我们呼吸的空气，生产提供动力所需的燃料，并确保各种化学品、塑料和其它产品的高效生产。凭借我们业内领先的研发平台、对创新的激情、以及对各种贵金属和基本金属的深厚了解，巴斯夫催化剂业务部从事各种独特、专利催化剂和吸附剂解决方案的开发，帮助客户获得成功。

BASF - The Chemical Company

www.catalysts.basf.com/chemicals

BF-9627_A4 08/11



巴斯夫 焦炉轻油加氢工艺：

预反应器	主反应器
巴斯夫催化剂 M8-21	巴斯夫催化剂 M8-12
去除双烯和苯乙烯	去除烯烃，硫和氮化合物的转化
避免在主反应器的高温下发生聚合	芳烃加氢可有效防止产量降低



美国

BASF Corporation
25 Middlesex/Essex Turnpike
Iselin, NJ 08830, USA
电话：+1-732-205-5000
传真：+1-732-205-5687
电子邮箱：catalysts-america@basf.com

亞太地區

BASF East Asia Regional HQ Ltd.
45th Floor, Jardine House
No. 1 Connaught Place
Central, Hong Kong
电话：+852-2731-0191
传真：+852-2731-5634
电子邮箱：catalysts-asia@basf.com

歐洲、中東、非洲

客戶服務
BASF Nederland B.V.
电话：+31-30-6669555
传真：+31-30-6669340
电子邮箱：catalysts-europe@basf.com

中国

巴斯夫(中国)有限公司
电话：+86-21-24032684
传真：+86-21-24032222
电子邮箱：catalysts-china@basf.com



We create chemistry

Coke Oven Light Oil Hydrogenation Value-Added Process for the Steel and Coking Industry

Coke Oven Light Oil (COLO) is a by-product of coal coking. COLO, separated from the coke oven gas is high in crude aromatics, mainly benzene. Chemical grade benzene is widely used in polymer production for consumer goods.

BASF provides an advanced two reactor catalytic hydrogenation process to upgrade COLO to high quality chemical grade benzene for the steel or coking industry. With the increasing demand and price of high quality benzene in Asia, large potential revenue exists for steel or coke manufacturers to recover benzene from coke oven light oil by using this technology.

BASF is working with well known engineering companies in this application. Many commercially proven chemical reactor and process designs are providing a sound basis. This process is widely used in many large scale steel and coke companies worldwide. It is a value-added process in the steel industry value chain.

For more about BASF's Process Catalysts & Technologies – contact us today.



BASF COLO Hydrogenation Process:

Pre Reactor	Main Reactor
BASF Catalyst M8-21	BASF Catalyst M8-12
Removal of diolefins and styrenes	Removal of olefins, conversion of sulfur and nitrogen compounds
Avoid polymerization at high temperature in main reactor	Hydrogenation of aromatics is suppressed to avoid yield losses

Americas

BASF Corporation
25 Middlesex/Essex Turnpike
Iselin, NJ 08830, USA
Tel.: +1-732-205-5000
Fax : +1-732-205-5687
E-mail : catalysts-america@basf.com

Asia Pacific

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 Customer Service BASF Nederland B.V.

Tel: +31-30-6669555
Fax: +31-30-6669340
E-mail : catalysts-europe@basf.com

China

BASF (China) Company Ltd.
Tel. : +86-21-24032684
Fax : +86-21-24032222
E-mail : catalysts-china@basf.com

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 catalyst and adsorbent solutions that drive customer success.

BASF - We create chemistry

www.catalysts.basf.com/chemicals

