



Application Ethylene from ERU

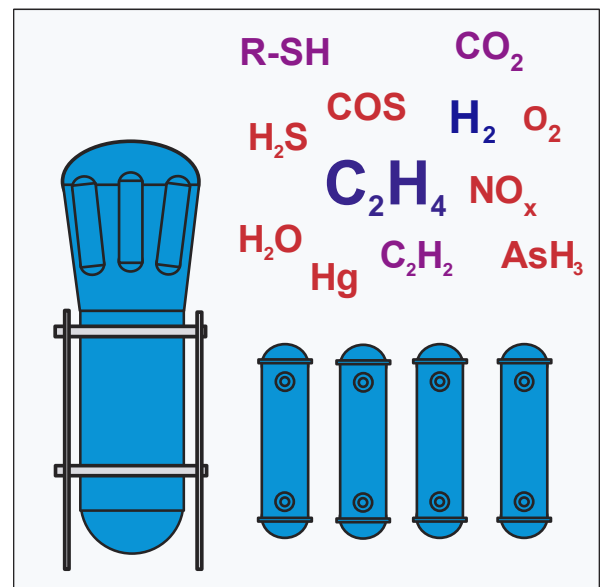
Technical information

Ethylene Recovery Units (ERU) are used to recover ethylene from gases generated in catalytic cracking units (FCC and similar) as operated in refineries.

BASF offers for the treatment of these streams:

- **Selexsorb[®] CD/CDL** and **COS/COSi** for the regenerative removal of H₂O, MeOH, ammonia, H₂S and CO₂
- **PuriStar[®] R3-81** (in sulfided form) to convert O₂, NO_x and C₂H₂
- **PuriStar[®] R9-PAR/SR** for the trace removal of COS, AsH₃ and PH₃ (alternatively **E 315**).
- **Selexsorb[®] Hg** (sacrificial removal of Hg) and **3A mol sieve** (dedicated removal of H₂O) are also available.

Treatment of other streams from refineries like propylene containing streams (PRU) are also offered.



All materials indicated have been in use for many years and provide for long lifetime and high capacity.

Continuous R&D efforts allow for continuous adaptation to new market requirements.

3 reasons to buy our product / benefits



Market leading Adsorbent solutions

Optimal and reliable removal efficiency

Continuous adaptation to new market requirements



We create chemistry

Americas

BASF Corporation
Phone: +1-732-205-5000
Email: catalysts-america@basf.com

Asia Pacific

BASF (China) Company Limited
Phone: +86-21-2039 1311
Email: catalysts-asia@basf.com

Europe, Middle East, Africa

BASF Services Europe GmbH
Phone: +49-30-20055000
Email: catalysts-europe@basf.com



About us

BASF's Catalysts division is the world's leading supplier of environmental and process catalysts. The division 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.

BASF – We create chemistry

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 EXPRESSED 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. © 2022 BASF

www.catalysts.basf.com/olefin-purification