

The BASF logo consists of a blue square with a white dot inside, followed by the word "BASF" in a bold, white, sans-serif font.

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# Application Ethylene for HDPE/LLDPE

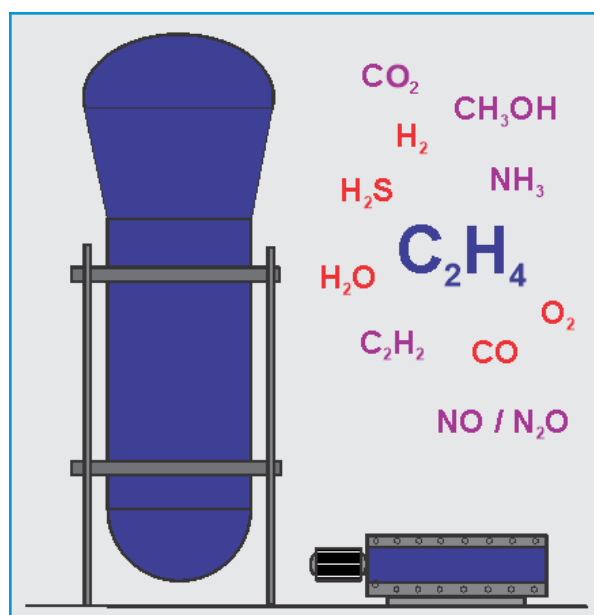
## Technical information

To achieve maximum activity of the ZN, Philipps or metallocene type catalysts used in modern PE processes, a good and robust ethylene quality is essential.

BASF offers for the treatment of ethylene:

- **Selexsorb® CD/CDL** and **COS/COSi** for the regenerative removal of H<sub>2</sub>O, MeOH, ammonia, H<sub>2</sub>S and CO<sub>2</sub>
- **PuriStar® R3-15** and **R3-16** for the conversion of O<sub>2</sub> (in reduced state) as well as H<sub>2</sub> and CO (in oxidic state)
- **PuriStar® R0-20** for the conversion of C<sub>2</sub>H<sub>2</sub> and O<sub>2</sub>.
- **Zn 9201** (sacrificial removal of H<sub>2</sub>S) and **3A mol sieve** (dedicated removal of H<sub>2</sub>O) are also available.

Treatment of other streams used in PE units (co-monomers, nitrogen, hydrogen, ...) are also offered.



All materials indicated are in use since 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



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## 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.

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