



Application Green Hydrogen

Technical information

Green Hydrogen refers to hydrogen generated by electrolysis with electrical energy generated by regenerative sources (wind, solar, water).

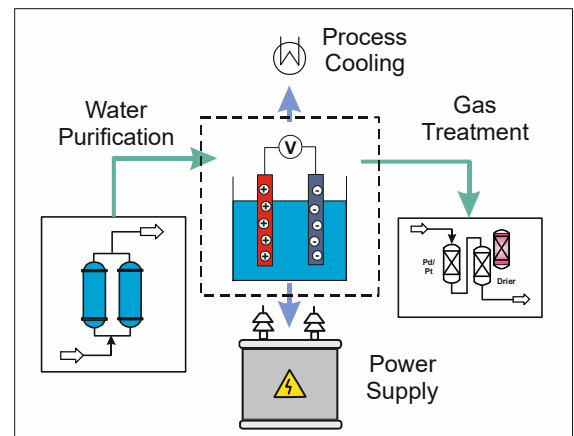
Depending on the application, any oxygen still present in the hydrogen needs to be removed and the hydrogen needs to be dried.

BASF offers

- Pd or Pt based catalysts for removal of O₂
- Sorbead® Air for the drying of the stream

Pd and Pt based catalysts are offered with 0.3 and 0.5 % (by weight) noble metal. Carriers of these catalysts are tablets with 3x3 mm or spheres with 2 – 4 mm diameter. Sorbead® Air is offered in the form of spheres and is also available in water resistant form.

All materials are in use for these applications since many years and all materials show a long lifetime. Sorbead® Air excels in drying by its low energy consumption (up to 25% less than other materials).



3 reasons to buy our product / benefits

- ★ Market Leading Adsorbent Solutions
- ★ Optimal and reliable removal efficiency
- ★ Lowest energy consumption for drying



We create chemistry

Americas

BASF Corporation
25 Middlesex/Essex Turnpike
Iselin, New Jersey, 08830, USA
Phone: +1-732-205-5000
Fax: +1-732-205-7725
Email: catalysts-america@basf.com

Asia Pacific

BASF (China) Company Limited
300 Jiang Xin Sha Road
Pudong, Shanghai 200137
P.R. China
Phone: +86-21-2039 1311
Fax: +86-21-2039 4800-2549
Email: catalysts-asia@basf.com



Europe, Middle East, Africa

BASF Nederland BV – Catalysts
P.O. Box 19, 3454 ZG
De Meern
The Netherlands
Phone: +31-30-666 9211
Fax: +31-30-6669340
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. © 2021 BASF

www.catalysts.basf.com/literature-library