



## **PURE FACTS**

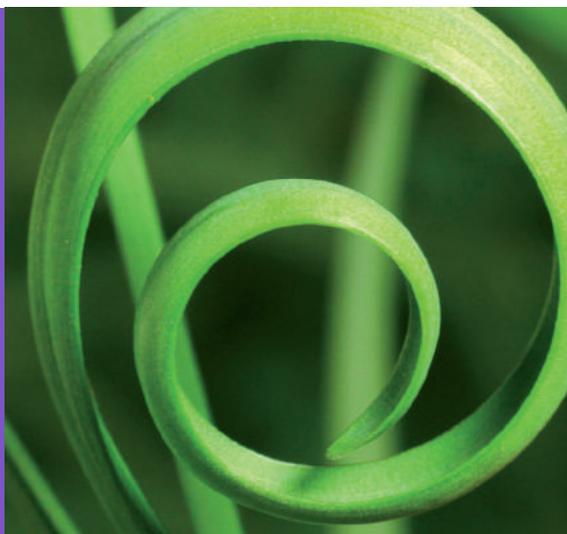
Cardyon<sup>®</sup>  
Brighter use  
of CO<sub>2</sub>



# Contents



Sustainability  
at Covestro



Customer  
benefits

Less oil, better air:  
Turning CO<sub>2</sub> into a  
raw material



**Cardyon**<sup>®</sup> is an innovative raw material for the production of high quality polyurethanes. It is made with CO<sub>2</sub> (up to 20%) – a raw material which is both abundant and available as a chemical feedstock.

**Cardyon**<sup>®</sup> represents a breakthrough innovation which enables manufacturers to look at alternative and more sustainable raw materials while reducing their reliance on fossil fuels.



# Sustainability at Covestro

Sustainability is embedded into every element of our business strategy. We continuously look at ways to preserve the planet, while improving the quality of life and safety of millions of people around the world. Several products developed by us address the challenges of climate change and its impact on the environment.



With **cardyon**® we are providing the industry with a more sustainable solution by using CO<sub>2</sub>, an industrial waste gas, as a new and useful raw material feedstock. We are also broadening its raw material base beyond fossil hydrocarbons and bio-based raw materials by bringing CO<sub>2</sub> back into the value chain and helping to close the carbon loop.

Our vision is to drive a new perspective within the industry and beyond on value creation through carbon. **Cardyon**® sets new standards in cutting-edge technology and future-proof products.

---

'Our vision is to drive a new perspective within the industry and beyond on value creation through carbon.'

---





# Customer benefits

## Using cardyon®:

- Demonstrates your commitment to sustainability and the future of our planet
- Helps close the carbon loop by bringing CO<sub>2</sub> back into the value chain
- Reduces the use of scarce fossil resources, such as crude oil, to ease the pressure on our planet's resources
- Helps position your company as an innovative frontrunner
- Means using an award-winning new raw material, produced with leading-edge innovative technology

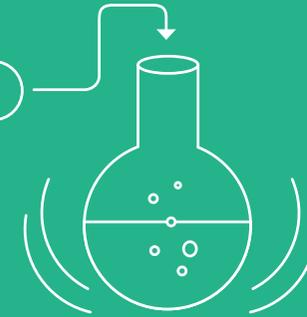
Key contacts: Covestro Deutschland AG  
Dr. Berit Stange  
Venture Manager  
Phone: +49 214 6009 4230  
E-mail: [berit.stange@covestro.com](mailto:berit.stange@covestro.com)

To find out more about cardyon®, please visit:  
[www.cardyon.covestro.com](http://www.cardyon.covestro.com)

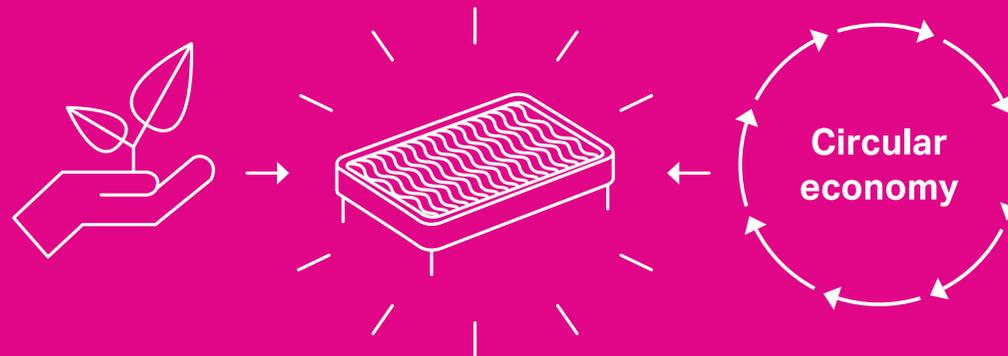


# Less oil, better air: Turning CO<sub>2</sub> into a raw material

We have developed an innovative technology enabling carbon capture and utilization by partly substituting oil-based raw materials with CO<sub>2</sub>.



**Cardyon**® is a breakthrough raw material for the production of high quality flexible foams and other dynamic solutions.



## Circular economy

**Cardyon**® brings CO<sub>2</sub> back into the value chain. It broadens the raw material base beyond carbon and supports the circular economy through sustainable development.





---

'Cardyon® is a breakthrough raw material for the production of high quality flexible foams and other dynamic solutions.'

---



Covestro Deutschland AG  
Business Unit Polyurethane  
51365 Leverkusen  
Germany  
E-Mail: [pur@covestro.com](mailto:pur@covestro.com)

**[covestro.com](http://covestro.com)**

This information and our technical advice – whether verbal, in writing or by ways of trial – are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. The information is provided by Covestro without assumption of any liability. If any of the above mentioned regulations change after the date of declaration, this declaration is no longer valid. Covestro will strive to keep this information up-to-date. Our advice does not release you from the obligation to verify the information provided – especially that contained in our safety data and technical information sheets –, to check for updates of any information provided by us and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.

Edition: 8-2018 Order-No.: COV00085306 Printed in Germany