

Joncryl® Biomass Balance

Resins derived from
renewable raw materials
for the Printing &
Packaging industry



 **BASF**
We create chemistry

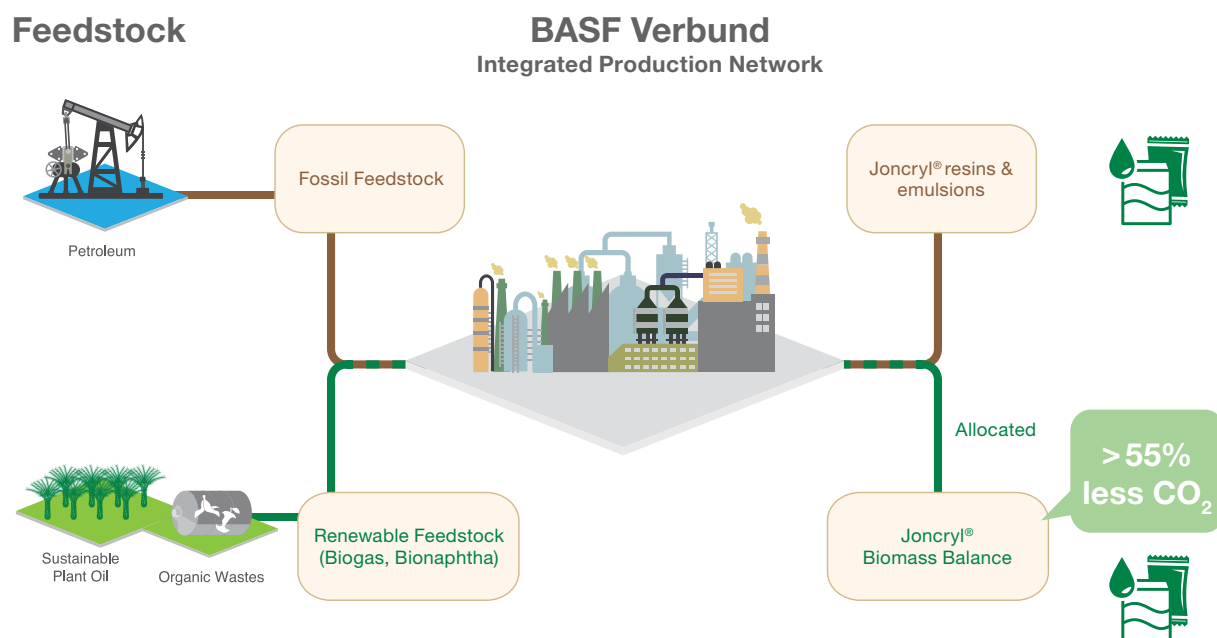
We create chemistry that makes inks love renewable raw materials.

As our customers and consumers are becoming more aware of how packaging is made, and the impact of packaging production on the environment, BASF brings a new solution based on renewable feedstock to the world of packaging. Joncryl® Biomass Balance opens up new opportunities to create more sustainable solutions – water-based inks containing renewable raw materials without the need to change your printing and/or converting process.

Turning sustainability challenges into market opportunities

BASF has developed a groundbreaking approach to deriving products from renewable raw materials: Certified renewable feedstock is used to replace fossil resources at the beginning of the production process and is then allocated to sales products in the respective quantities. An independent certification issued by TÜV SÜD confirms the use of the required amount of renewable raw materials needed to manufacture the product. The resulting products are identical in terms of formulation and quality but are associated with lower CO₂ emissions and saving of fossil resources.

BASF Bio Mass Balance approach



Use of renewable feedstock in very first steps of chemical production (e.g., steam cracker)

Utilization of existing network production for all production steps

Allocation of renewable share to selected products

Meeting the sustainability need in inks for the packaging industry



 Saves fossil resources

 No compromise on performance

 Readily available drop-in solution

 Reduces greenhouse gas emissions

 Independently certified by TÜV SÜD

 Identical product derived from biomass

Sustainably produced feedstock*

- ✓ Sustainable use of land
- ✓ Protection of natural biospheres
- ✓ Social sustainability

* In accordance with European Union Renewable Energy Directive's (RED) requirements.

Independent Certification by TÜV SÜD

- ✓ Closed chain of custody from the renewable feedstock it uses through to the final product
- ✓ Annual review of the entire BASF value chain

http://www.tuev-sued.de/home_en



**4,500
Kilometers**

Producing one ton of Joncryl® Biomass Balance instead of Joncryl® can reduce as much CO₂ as emitted from driving a passenger car for 4,500 km.*



Renewable Resources

- 100% of fossil resources saved by using renewable raw materials
- Audited feedstock balance

www.tuev-sued.de/erneuerbare-rohstoffe
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* EU regulation No 443/2009

