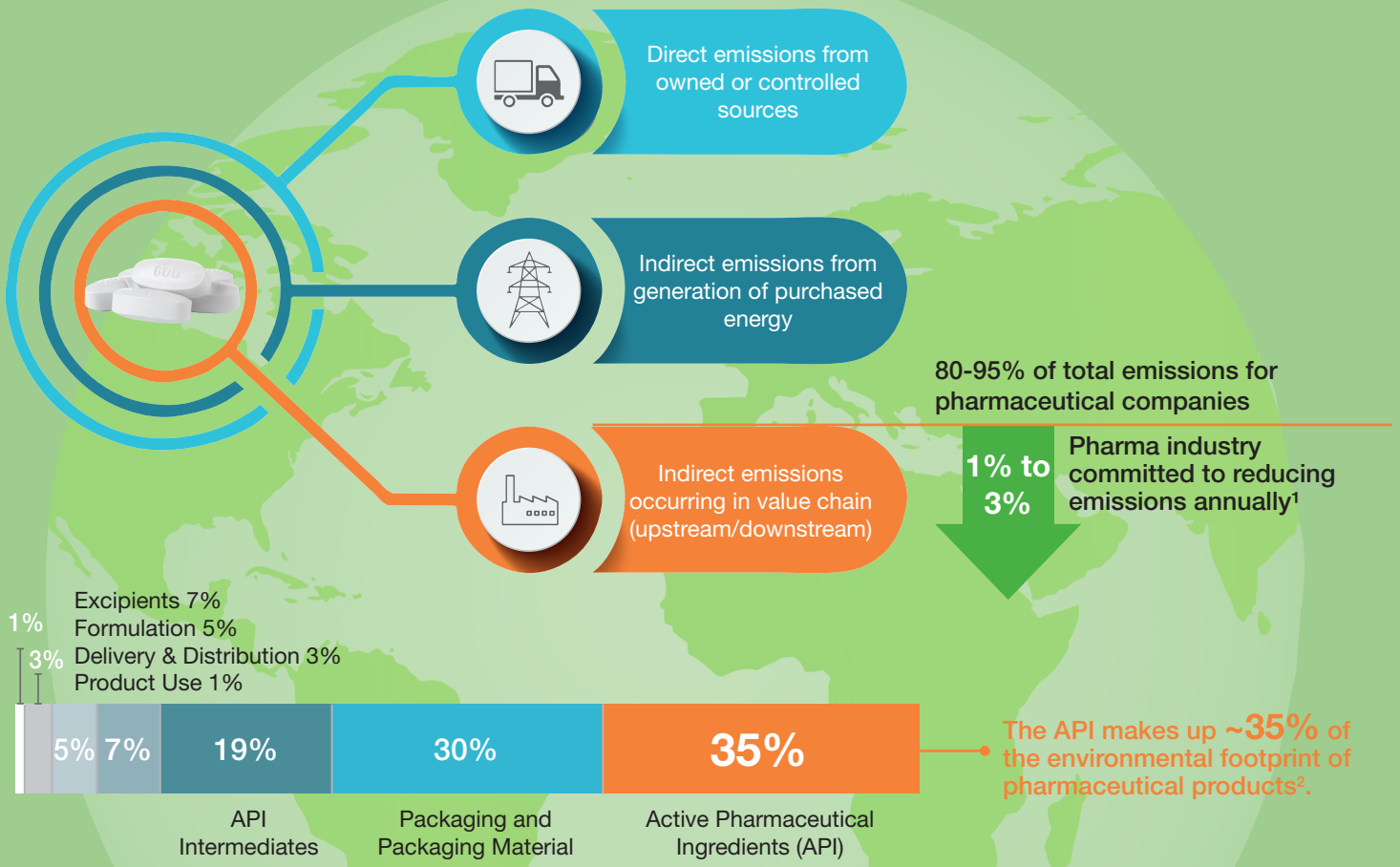
Sustainable solutions

Striving to make the world's most environmentally friendly ibuprofen

How your ibuprofen supplier impacts your sustainability goals



We are uniquely positioned to support your goals

- Ibuprofen carbon footprint available* according to ISO norms and Greenhouse Gas Protocol
- Expertise in life cycle assessment methodology
- Continuous evaluation to reduce the carbon footprint, including investments in renewable energy

Contact your BASF Account Manager to get connected with our Sustainability Team.

pharma.basf.com

* Available upon signing an environmental NDA

[1] BASF analysis of science-based targets in 16 corporate sustainability reports from the pharmaceutical industry (2019-2020)

[2] Pharmaceutical Supply Chain Initiative (PSCI) estimated pharmaceutical environmental footprint extrapolated from multiple Lifecycle Assessment sources (2021)

BASF
We create chemistry

Sustainable ibuprofen production

Spotlight on BASF's ibuprofen production facility | Bishop, Texas

Our production process utilizes innovative, efficient technology that has revolutionized bulk pharmaceutical manufacturing.

BASF by the Numbers

75+
Years experience in APIs

25+
Years manufacturing ibuprofen at Bishop

20+
Years experience in environmental footprint calculations

Winner of the U.S. Presidential Green Chemistry Challenge[1]

Embodies 6 principles of green chemistry[2]

4 production steps versus 6 or 7 steps with other suppliers

No chromium used in process
Using recoverable palladium and nickel that can be recombined in catalytic system and re-circulated.

Based on independent scientific publication, >30% of waste is avoided compared to competitors due to higher atom efficiency of BASF process.[3]

To learn more about our ibuprofen production and portfolio, visit pharma.basf.com

[1] 1997 EPA Greener Synthetic Pathways Award (originally won by BHC Company, which was acquired by BASF)

[2] Six relevant principles: prevention of waste, atom economy, minimization of solvents, energy efficiency, reduce derivatives, and catalysis; ACS 12 Principles of Green Chemistry

[3] Poliakoff, M., Licence, P. Green chemistry. Nature 450, 810–812 (2007). https://doi.org/10.1038/450810a

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