

## **THE U.S. CARBON ADVANTAGE IN CHEMICALS: KEY TAKEAWAYS**

- The chemicals industry is both part of the low carbon solution set—from insulation to lightweight materials in automobiles to hydrogen fuels—and a major contributor—the third largest industrial source of carbon emissions.
- The U.S. chemicals industry offers a huge decarbonization opportunity: U.S. chemicals manufacturers are 10-40% more carbon efficient than the global average across five of the most common bulk chemicals.
- The U.S. carbon efficiency advantage over China is particularly stark. The U.S. is 2x as efficient in producing ammonia, an ingredient in fertilizer. It is 3x as efficient in polypropylene, an ingredient in plastic.
- U.S. chemicals producers, on average, are 10-40% more carbon efficient than the global average and as much as 65% more efficient than their Chinese competitors.
- Trade rules that establish clear market rewards for climate-friendly manufacturers would see U.S. chemicals manufacturers and their workers gain a competitive advantage, higher emitters lose market share, and chemical companies across the globe compete on the basis of lower emissions.