



#### "The Good, The Bad and the Uncertain: Public Perception of the Chemical Enterprise" Session 3 of the 2017 Industry Science Series



This ACS Webinar was co-produced by ACS Industry Member Programs, C&EN, and ACS Committee on Corporation Associates 12

# The Good, The Bad, and the Uncertain:

Public Perception of the Chemical Enterprise

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Public Perception of the Chemical Enterprise



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Remaining





















### THE BUSINESS OF CHEMISTRY ACCOUNTS FOR 14% OF U.S. EXPORTS \$184 BILLION IN 2015, AND IS THE LARGEST EXPORTER IN THE U.S









# ninini.

FOR EVERY JOB CREATED BY THE BUSINESS OF CHEMISTRY, 6.3 ARE GENERATED ELSEWHERE IN THE ECONOMY, TOTALING NEARLY 6 MILLION JOBS THE BUSINESS OF CHEMISTRY PROVIDES 810,000 SKILLED, GOOD-PAYING AMERICAN JOBS





the average annual PAY IN THE BUSINESS OF CHEMISTRY IS \$94,000

THAT'S 47% HIGHER THAN THE AVERAGE MANUFACTURING PAY





















































**Pipe Bursting** 











































# **Audience Survey Question**

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT



# How much of the nitrogen in the protein of the average human is synthetically produced?

- About one tenth
- About half Smil, V., 1997. Global population and the nitrogen cycle. Scientific American, 277(1), pp.76-81. Smil, V., 2002. Nitrogen and food production: proteins for human diets. AMBIO: A Journal of the Human Environment, 31(2), pp.126-131.



Howarth, R.W., 2008. Coastal nitrogen pollution: a review of sources and trends globally and regionally. Harmful Algae, 8(1), pp.14-20.

• Virtually all of it



























































## Which of these is NOT a use of bisphenol-A (BPA)?

- in the production of most epoxy resins
- as a comonomer in polyethylene production
- as a monomer in the manufacture of polycarbonate
- in thermal receipt paper







#### A Fresh Approach: CANVERA<sup>™</sup> Polyolefin Dispersion



a fresh approach to can coatings by

Technology

CANVERA<sup>™</sup> Polyolefin Dispersions offers an excellent food and flavor protection profile, excellent adhesion, corrosion protection and flexibility without impact on flavor. This innovation eliminates material traditionally found in epoxy or alternative coating systems that are of TCIS

concern for many consumers.









#### Incumbent Epoxy Resin



















### 2025 Sustainability Goals





#### Leading the Blueprint

Dow leads in developing a societal blueprint that integrates public policy solutions, science and technology, and value chain innovation to facilitate the transition to a sustainable planet and society.



#### Delivering Breakthrough Innovations

Dow delivers breakthrough sustainable chemistry innovations that advance the well being of humanity.



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#### Increasing Confidence in Chemical Technology

Dow increases confidence in the safe use of chemical technology through transparency, dialogue, unprecedented collaboration, research, and our own actions.



**Engaging Employees for Impact** Dow people worldwide directly apply their passion and expertise to advance the well being of people and the planet.

Advancing a Circular Economy

Dow advances a Circular Economy

by delivering solutions to close the

resource loops in key markets.



World-Leading Operations Performance Dow maintains world-leading operations performance in natural resource efficiency, environment, health, and safety.





#### http://www.dow.com/en-us/science-and-sustainability/2025-sustainability-goals

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#### Valuing Nature

Dow applies a business decision process that values nature, which will deliver business value and natural capital value through projects that are good for the company and good for ecosystems.





