



June 7, 2022

The Role of Chemistry in Modern Medicine and the COVID-19 Response

Joint Hearing of the Pennsylvania House Environmental Resources & Energy and House Health Committees



About ACC



| American Chemistry Council (ACC)

Founded in 1872, ACC represents more than 190 companies engaged in the business of chemistry.

| Members

ACC's members are leading companies engaged in all aspects of the business of chemistry, from the largest corporations to the smallest, and everything in between.

| Mission

ACC's mission is to deliver long-term business value through exceptional advocacy and improved member performance.

THE BUSINESS
OF CHEMISTRY IS A
\$486
BILLION ENTERPRISE



AS THE SECOND
LARGEST PRODUCER, THE
U.S. CHEMICAL INDUSTRY
PROVIDES
13%
OF THE WORLD'S
CHEMICALS



CHEMICAL COMPANIES INVESTED
\$10 BILLION
IN RESEARCH AND
DEVELOPMENT IN 2020

THE BUSINESS OF CHEMISTRY
ACCOUNTS FOR 9%
OF U.S. GOODS EXPORTS,
\$125 BILLION IN 2020, AND IS AMONG
THE LARGEST EXPORTERS IN THE U.S.




CAPITAL INVESTMENT
BY THE BUSINESS OF CHEMISTRY
WAS MORE THAN
\$27 BILLION
IN 2020, INCLUDING INVESTMENTS
IN STRUCTURES AND EQUIPMENT

THE BUSINESS
OF CHEMISTRY
SUPPORTS MORE THAN
= 25% =
OF THE U.S. GDP

MORE THAN
96%
OF ALL
MANUFACTURED
GOODS ARE
DIRECTLY TOUCHED BY
THE BUSINESS
OF CHEMISTRY



Pennsylvania chemistry...



Is the **10th largest** chemistry producing state



Provides **22,616** direct jobs and another **31,875** related jobs



Pays **\$1.72B** in wages



Has an average wage of **\$76,117**, **14%** higher than the average manufacturing wage in Pennsylvania



Generates **\$209M** in state & local taxes, and **\$398M** in federal taxes



Invests **\$279M** across Pennsylvania to build & update equipment and facilities



Ships **\$4.68B** in products to customers around the world



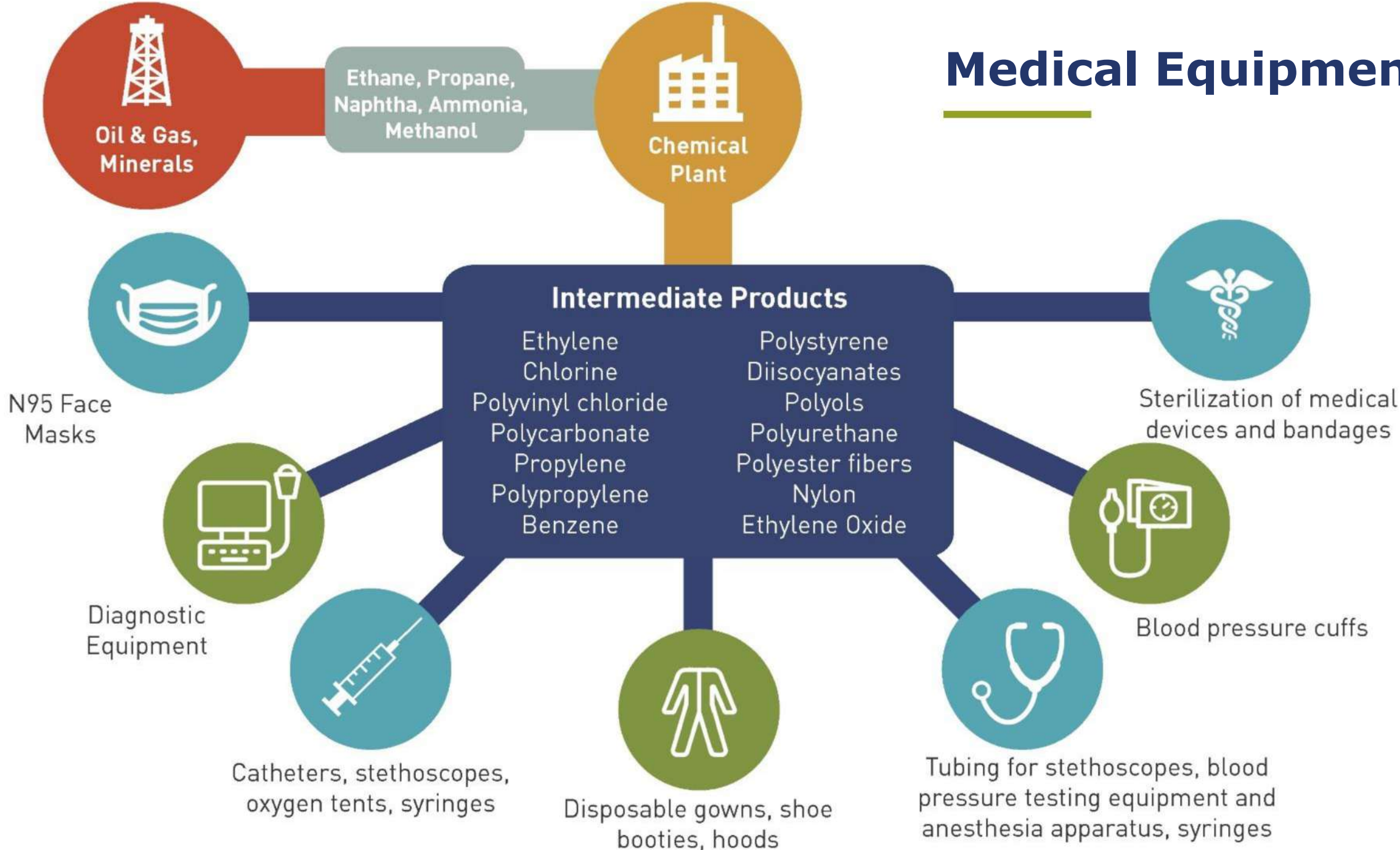
Generates an additional **38,831 jobs** in plastics & rubber products



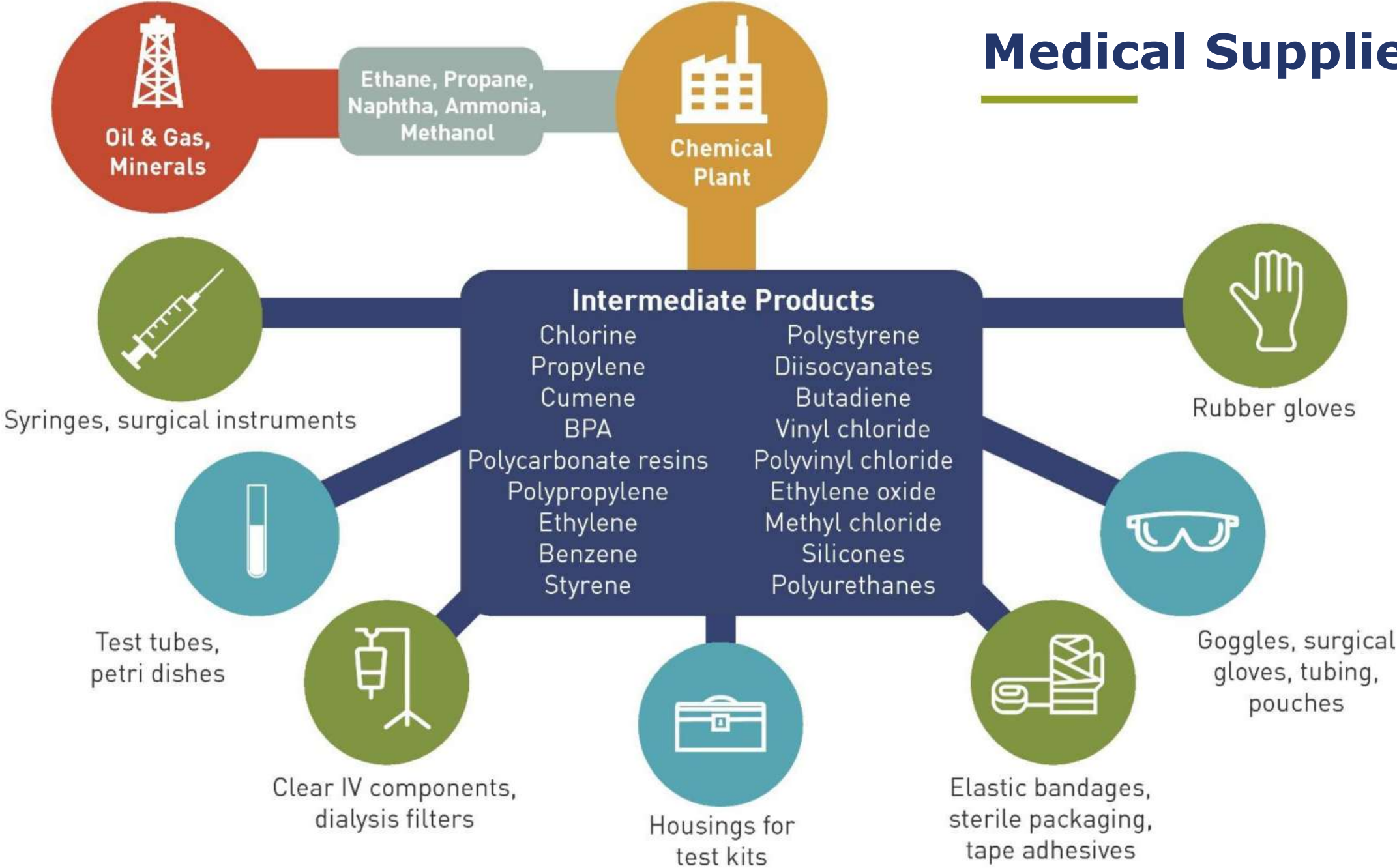
Chemistry's Role In Keeping Us Safe and Healthy

The chemical industry creates ingredients for life-saving products, such as medical equipment and supplies, disinfectants, pharmaceuticals, biocides, personal protective gear, and more.

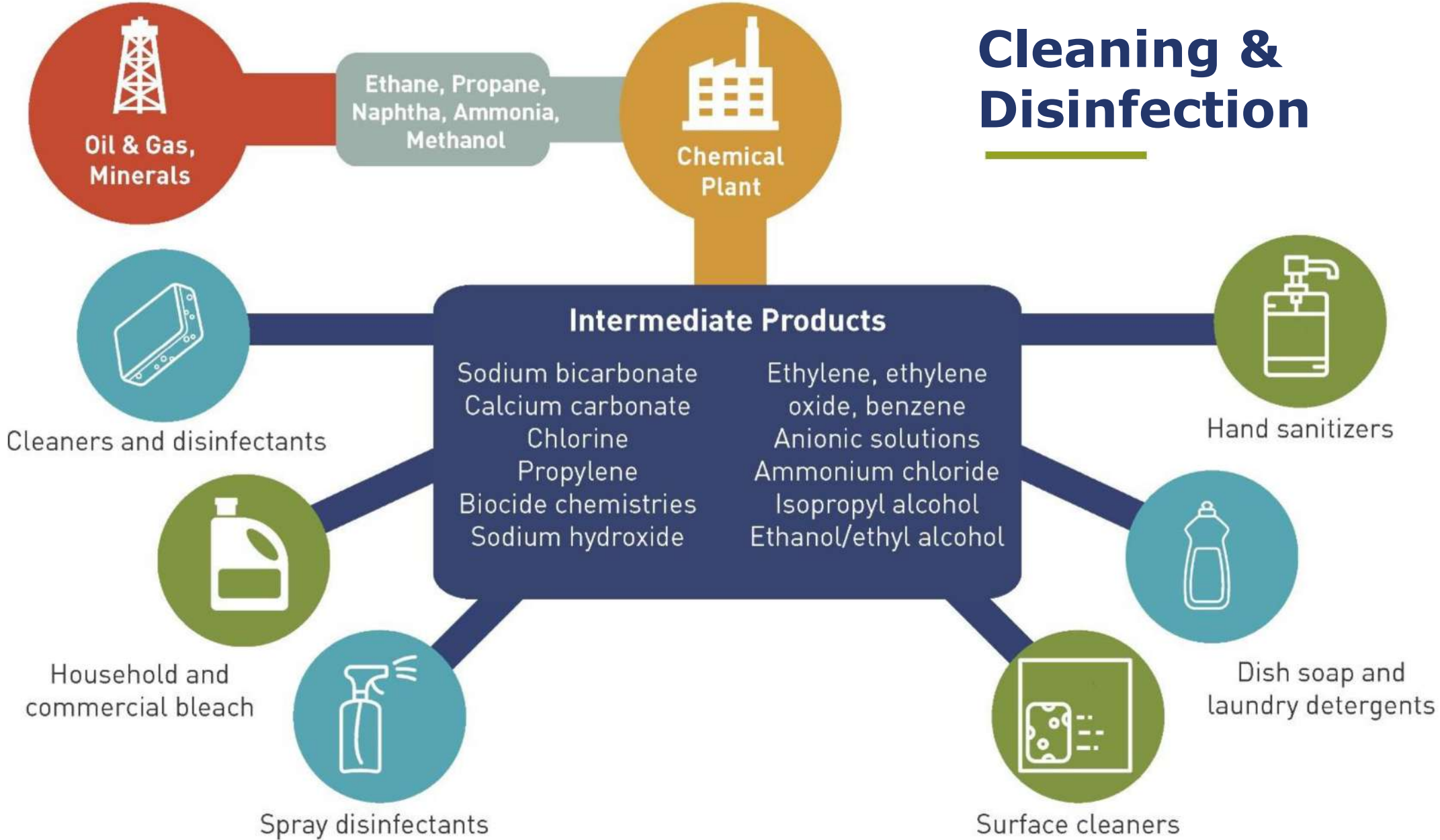
Medical Equipment



Medical Supplies

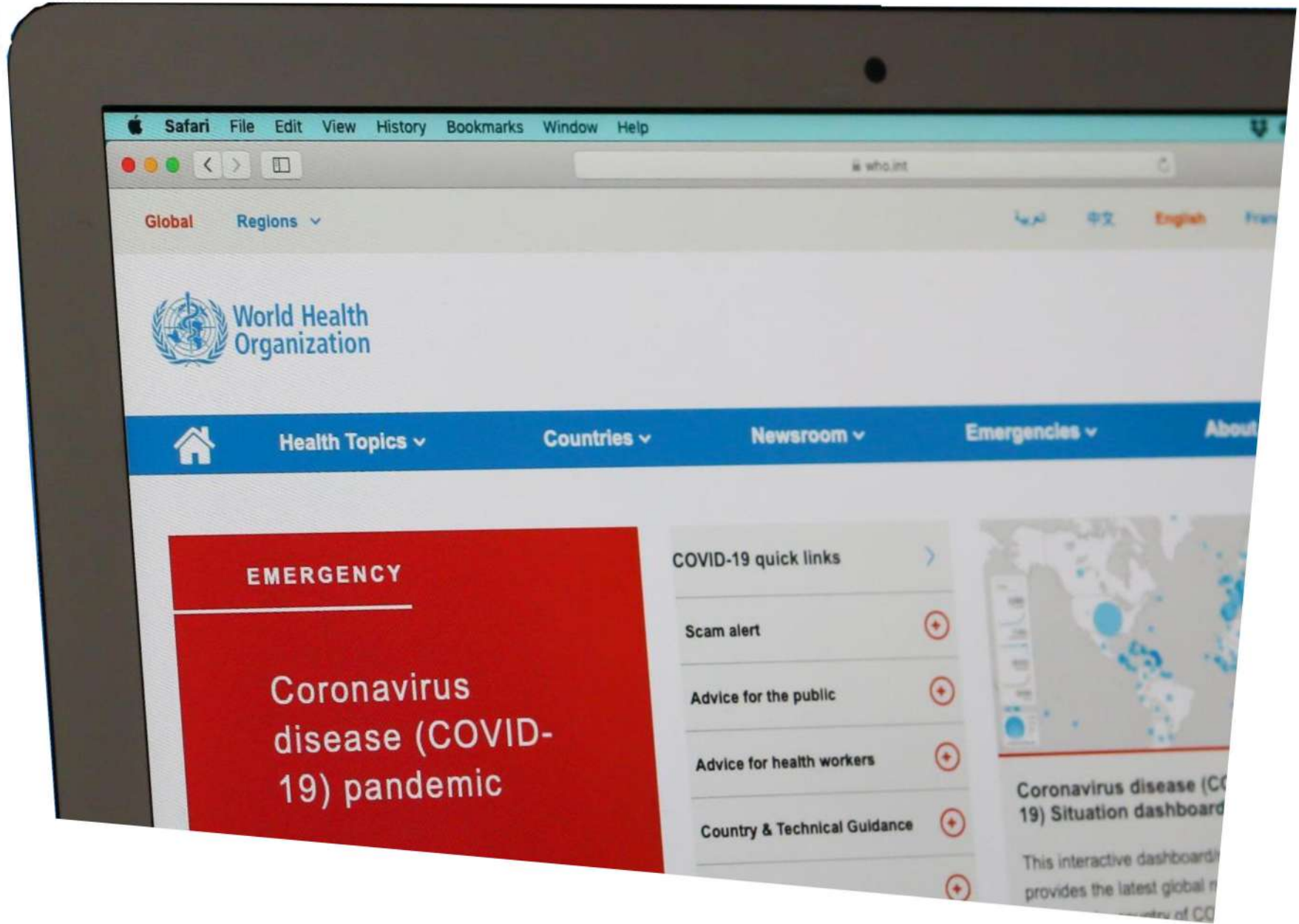


Cleaning & Disinfection



COVID-19 Declared a Pandemic

March 11, 2020







COVID-19 Industry Response

ACC member companies have a long history of creating the products that help keep us healthy and safe. As the demand for health and safety products increased, many ACC member companies played a critical role in the global battle against COVID-19 by altering manufacturing facilities and working around the clock to provide the world with the essential materials needed to fight this pandemic.

Shifting Production and Supporting PA Communities



FMC donated 140,000 surgical masks and 24,500 N95 masks – sourced from its laboratories, greenhouses and production facilities – to five hospitals in the Philadelphia region.



PPG donated 20,000 N95 masks thousands of additional surgical masks to University of Pittsburgh Medical Center and Allegheny Health Network hospitals in Pittsburgh.



Arkema repurposed a production line at one of its plants to manufacture 10,000 gallons of hand sanitizer solution. A portion of which was donated to the Pennsylvania Emergency Management Agency.



Employees at Braskem's Marcus Hook facility volunteered to live at the plant for 28 days to produce vital PPE materials to supply frontline healthcare workers and first responders.



CHEMISTRY IS PLAYING
AN ESSENTIAL ROLE

Thank You

Robert Whedon
Director, Stakeholder Engagement
& Political Mobilization
American Chemistry Council
Robert_Whedon@americanchemistry.com