



# Mississippi's Chemical Industry

## Mississippi manufactures more than \$1.7 billion in chemical products annually

Mississippi supports many thriving chemical manufacturers and ranks as a top 10 state in the production of synthetic dyes and pigments, petrochemicals, and nitrogenous fertilizers, which generated a gross regional product of \$258 million, \$207 million, and \$159 million, respectively, in 2020. Notably, the world's two largest manufacturers of titanium dioxide pigments (Tronox and Chemours) have factories in the state. Additionally, Ergon's refinery in Vicksburg is the world's largest producer of naphthenic oils, which are widely used in petrochemical feedstocks.

## Mississippi supplies a robust pipeline of technical talent

Chemical producers require a range of workforce skills needs in Mississippi, and the state delivers. Mississippi has over 18,000 students enrolled in STEM degree programs at its four-year, Tier I research universities. Eight Mississippi community colleges offer two-year degree programs in Industrial Maintenance Technology, and Mississippi Gulf Coast Community College offers a two-year degree in Process Operations Technology, which is suited to technicians in the chemical manufacturing sector. Mississippi State University's Extension Service trains entry-level Chemical Plant Operators in process systems management, plant safety, and advanced instrumentation through a 12-month program. Mississippi also offers custom workforce training solutions through four specialized facilities dedicated to advanced manufacturing technology training, including 12,000 square feet of manufacturing space at the Haley Barbour Center for Manufacturing Excellence at the University of Mississippi.

## Mississippi is a leader in chemical R&D

Mississippi is home to a network of innovative chemical research laboratories. The Mississippi State Chemical Laboratory, a state research agency, conducts testing, evaluation, and registration of food, fertilizers, pesticides, and petrochemical products sold in the state. The S.P.I.E.S. research group at the University of Mississippi examines chemical surfactants and polymerization technologies and the commercial applications of these systems in areas like composite materials and synthetic gene delivery. The Mississippi Polymer Institute at the University of Southern Mississippi offers industry partners a variety of advanced materials innovation services. The Chemistry Service Center at Mississippi State University provides contracted chemical analysis services using state-of-the-art research instrumentation.

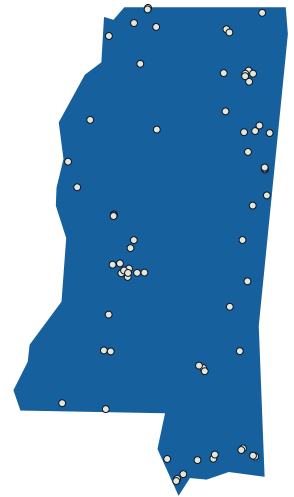
## Mississippi chemical sector companies

**130**  
CHEMICAL SECTOR COMPANIES  
WITH 20+ EMPLOYEES

**6,230**  
CHEMICAL MANUFACTURING  
COMPANIES

**\$258 MILLION**  
ANNUAL DYES & PIGMENTS  
MANUFACTURING GROSS REGIONAL  
PRODUCT IN 2020

**\$1.7 BILLION**  
ANNUAL CHEMICAL  
MANUFACTURING GROSS  
REGIONAL PRODUCT IN 2020

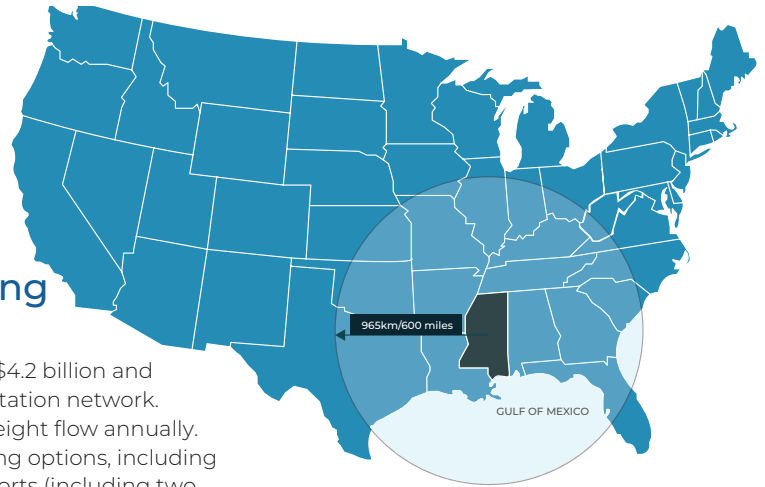


## Notable Announced Chemical Sector Locations and Expansions in Mississippi Since 2015

COMPANY	JOBS	CapEx
BPI Solutions	150	\$8.0M
DAK Americas	86	\$40.0M
Voyant Beauty	80	\$13.17M
Baxter	70	\$73.0M
Emilia Resources	57	\$1.2M
Summit Plastics	25	\$5.4M
Humic Growth Solutions	25	\$8.0M
Vicksburg Plant Food	20	\$20.0M

## Halfway to everywhere

Located in the Gulf Coast petrochemical cluster, Mississippi chemical manufacturers are within a day of trucking to major population centers encompassing more than 100 million people. The global logistics hub of Memphis, Tennessee, is conveniently located just across Mississippi's northern border, giving producers the agility to respond to business demand anywhere and anytime.



## \$4.2 billion in chemical manufacturing freight flows through Mississippi

Chemical manufacturing materials and products generate over \$4.2 billion and 14 million tons of annual freight flow across Mississippi's transportation network. Overall, Mississippi handles \$322 billion and 457 million tons in freight flow annually. Mississippi offers producers multi-modal and inter-modal shipping options, including six U.S. interstates, 14 U.S. highways, five Class I railroads, and 15 ports (including two deep-water ports), which producers can use to move goods quickly to market.

## Extensive raw materials

Mississippi suppliers provide chemical manufacturers with important raw materials, such as petroleum, coal, natural gas, and sulfur, as well as intermediate products, such as benzene, ethylene, propylene, naphthenic oils, PVC resin, ammonia, sodium bisulfite, magnesium sulfate, soda ash, titanium dioxide, and polyvinylchloride. Mississippi also provides producers with abundant, cost-effective access to other natural resources commonly used in industrial processes, including extensive endowments of ground water, surface water, sand and gravel, and stone quarries available for industrial usage.

## More than \$1.1 billion in annual chemical product exports

From 2018-2020, Mississippi businesses exported an annual average of more than \$1.1 billion in chemical manufacturing products, including an annual average of \$639 million in dyes, pigments, and paints. Mexico is the leading export destination, receiving on average more than \$285 million in chemical manufacturing exports annually.

### Leading Mississippi Chemical Sector Companies (D&B Hoovers, 2021; MDA data)

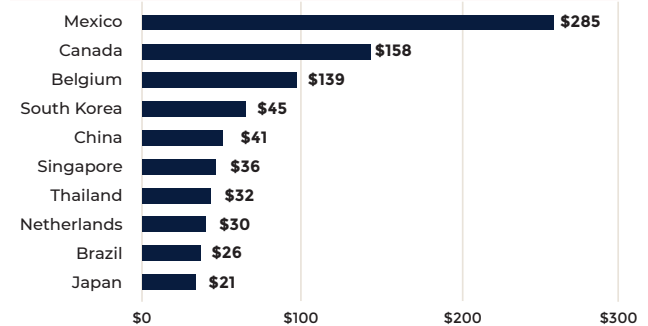
Corporate Parent	Employees (est.)
The Chemours Company	450 - 550
Tronox	375 - 475
BASF	270 - 370
Westlake Chemical Corp.	270 - 370
Mississippi Polymers	250 - 350
FXI, Inc.	250 - 350
CF Industries	220 - 320
Voyant Beauty	220 - 370
Ergon, Inc.	160 - 260
Sabic Innovative Plastics	150 - 250

### Mississippi's Jobs and Gross Regional Product in Chemical Industries

Industry	Jobs (2021)	Gross Regional Product (2020)
Pharmaceutical Preparation Manufacturing	885	\$177.0M
Synthetic Dye and Pigment Manufacturing*	872	\$258.0M
Plastics Material and Resin Manufacturing	678	\$236.0M
Custom Compounding of Purchased Resins	610	\$116.0M
All Other Miscellaneous Chemical Product and Preparation Manufacturing	441	\$67.0M
Industrial Gas Manufacturing	429	\$45.0M
Toilet Preparation Manufacturing	350	\$80.0M
Nitrogenous Fertilizer Manufacturing*	286	\$159.0M
Petrochemical Manufacturing*	170	\$207.0M

\*Mississippi ranks in the top 10 states on a GRP/job basis (50 jobs minimum). Source: EMSI, 2021

### Top 10 Export Destinations Chemical Products (Census Bureau, 2021)



The Mississippi Development Authority works to recruit new business to the state and retain and expand existing Mississippi industry and business. To receive assistance, please contact us at: [locateinms@mississippi.org](mailto:locateinms@mississippi.org) or call 800-360-3323.

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