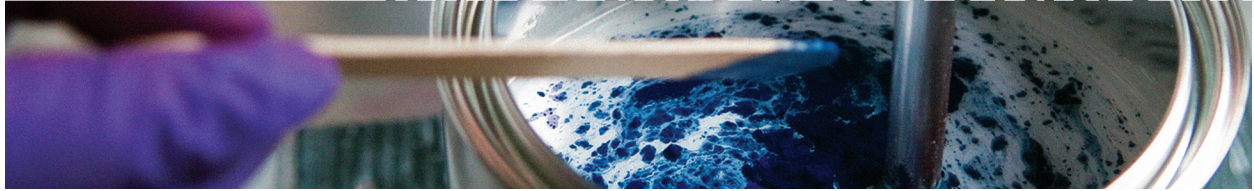


# innovation & solutions



Meet CHEMIR, your partner in creating new products and solving difficult problems for coatings, adhesives, sealants and elastomers.

## INNOVATION: FROM CONCEPT TO COMMERCIALIZATION

CHEMIR develops new industrial formulated products serving as our client's "virtual" research and development laboratory. We can transform innovative concepts into commercial products, assist with existing formulations and help evaluate new raw materials.

CHEMIR has helped many clients with these product development steps:

- 1 PRODUCT FEASIBILITY AND IDEA GENERATION**  
Our experts will gather information about your idea, timeframe, possible raw materials, market assessment and regulatory issues to determine commercial viability.
- 2 PRODUCT CHARACTERIZATION**  
Next our formulators work with you to determine the specific characteristics of your new product. What attributes are essential to your product? How do you want your product to perform?
- 3 FORMULATION/PERFORMANCE TESTING AND OPTIMIZATION**  
Our scientists will next formulate your product, making sure that it maximizes your requirements. We can also assist with Intellectual Property (IP) and Patent development/submittal.
- 4 SCALE UP FOR MANUFACTURING**  
After your formulation is optimized, we can ensure your product is ready for full-scale production by creating pilot batches in our toll production facility.
- 5 MANUFACTURING SUPPORT/CONSULTING**  
Once the manufacturing of your product has begun, our staff will help monitor batch to batch consistency of your product and consult with your toll manufacturer to ensure the quality of your final product.

## PROBLEM SOLVING FOR COATINGS, ADHESIVES AND POLYMERS

Our scientists have encountered almost every problem concerning paints, coatings and polymers.

We utilize various analytical and physical testing techniques to investigate:

- Failure analysis
- Contaminant & materials identification
- Identification of suspect materials
- Application or production problems

We are experts at paint and coating deformation, or reverse engineering. We can also help manufacturers evaluate products for various physical properties critical to product performance and success. Our special expertise in failure analysis includes various physical and chemical analytical techniques, solving quality issues for paints, coatings, adhesives and plastics.