Product Analysis Potential Solution

Task 2: List at least three advantages of leveraging a Generative AI solution.

Generative AI Solution Advantages
• Entire production process is accelerated
• Chemical interactions and toxicity levels can be predicted more accurately and rapidly
• Generative AI models can learn from existing data and propose improved formulas
• Resources are optimized more effectively
• Improved and accelerated decision-making potential

Task 3: Review the Current 6 Step Process. How will each process step be enhanced?

Process Step	Generative AI Solution Measurable Advantages
Step 1	• Information on existing cleaners and toxicity levels is accelerated
Step 2	• Rapid competitive analysis and comprehensive data to improve firm's competitive advantage
Step 3	• Generative Models can be trained to identify safe and effective product composition
Step 4	• Generative AI models can predict results of various formulas and optimize results
Step 5	• Testing results can be analyzed, and refinements made at an accelerated pace
Step 6	• Production processes can be analyzed, improved, and optimized

Product Analysis Potential Solution

Task 4: Balanced Scorecard Analysis

Perspective	Generative AI Solution Measurable Advantages
Finance	• Cost Savings: Efficient development, resource optimization, and predictive maintenance • Increased revenue potential
Process	• Automate processes • Faster experimentation and adaptation • Improved speed and efficiency
Employees	• Reduce repetitive tasks • Enhance overall skills • Increase job satisfaction
Customers	• Tailor and personalize products • Improved products and service • Faster response time