

"Without CAS SciFinder, I would not be able to conduct proper, efficient, and professional chemistry research and synthesis. The CAS SciFinder platform is critical for my work."

uevi.co/9714FIZG

CAS SCIFINDER®

CONTRIBUTING TO THE SYNTHESIS OF NEW POLYMERS

User success story

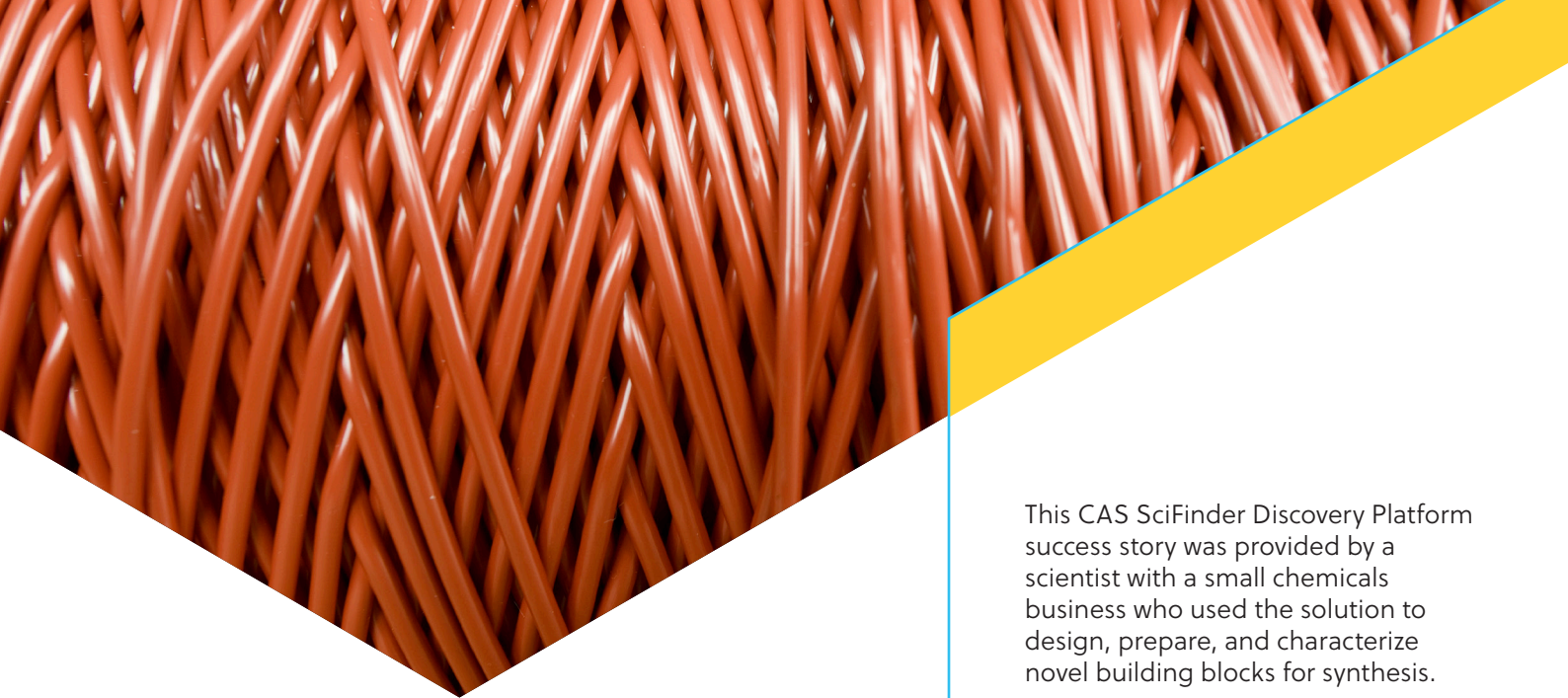
The Challenge

This organization's research focus is the synthesis of new polysiloxane polymers to prepare new coatings for a variety of production applications. As a small business, competitive pressures make an accelerated research and development process even more critical. This included everything from determining novelty/freedom to operate and finding research precedent to uncovering synthesis options. In addition, they sought a comprehensive solution that could provide regulatory information on the chemicals they were using.

CAS



A division of the
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This CAS SciFinder Discovery Platform success story was provided by a scientist with a small chemicals business who used the solution to design, prepare, and characterize novel building blocks for synthesis.

The Solution

The scientist used CAS SciFinder in several ways to enhance their research efficiency. This included:

- Assessing the IP landscape.
- Devising synthetic plans.
- Finding commercially available chemicals.
- Identifying substances and reactions.
- Performing literature reviews to generate a hypothesis.
- Preparing for laboratory experiments.

They felt that using the solution enabled them to quickly achieve a precise set of search results from a comprehensive collection of scientific content, improving the overall effectiveness of their research. They were confident that they were not missing any relevant results when preparing their plan. This resulted in better synthesis plans, making them more prepared for their time in the lab.

The Outcome

The researcher stated that without CAS SciFinder, they would not have been able to design, prepare, and characterize a series of novel building blocks that was used in the synthesis of new polysiloxanes. This accelerated discovery and improved productivity, resulting in work that was later patented.

Learn how CAS SciFinder can help your organization accelerate scientific discovery at cas.org.