

EXPOSING THE PROBLEM OF PFAS IN FOOD PACKAGING

WHAT ARE PFAS?

PFAS, which has recently become a "four-letter word" among consumers, is an acronym for the class of chemicals called

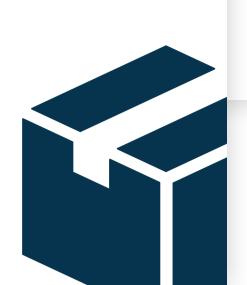
PER- AND POLYFLUOROALKYL SUBSTANCES.



These man-made compounds help paper packaging **RESIST WATER**, **GREASE AND OIL PENETRATION; MINIMIZE STAINING AND HELP** PACKAGING PERFORM BETTER.



Since the 1940s, brands have relied on PFAS' FUNCTIONALITY, **PROCESSABILITY AND NEARLY UNIVERSAL APPLICABILITY.**



DIFFERENT TYPES OF PFAS — MOST HAVEN'T BEEN WELL STUDIED.1



THE PROBLEM WITH PFAS

- ► Over time, we've come to understand how PFAS use impacts people and the world around them.
- ► Food served in PFAS-treated food packaging may also directly expose consumers to these chemicals.²
- ► PFAS are called "forever chemicals" because they don't break down naturally in the environment.
- ► Experts are concerned about possible health effects from PFAS exposure.
 - ► Weakening of immune systems
 - ► Lower fertility rates ► Higher cholesterol levels
 - ► Higher risk of certain cancers
- ► Once PFAS enter landfills, they can contaminate the ground water and enter the food chain.
- ► PFAS have been banned in some regions, including Washington State and Denmark. Others, like California, are considering action.

YEARS

HOW LONG IT TAKES FOR SOME PFAS IN THE HUMAN BODY TO DECREASE BY HALF.3

OF FOOD CONTACT PAPER (LIKE FOOD WRAPPERS)

CONTAINED PFAS IN A 2017 STUDY.4

SMARTER SOLUTIONS WITH PFAS-FREE **TECHNOLOGY** FROM SOLENIS

No universal alternative currently exists for PFAS in paper-based packaging, but Solenis has developed sustainable options for specific paper-based applications. Our PFAS-free innovations help you implement solutions that keep pace with fast-evolving regulations while better protecting people and the environment.



FOR FLEXIBLE **PACKAGING**

- ► TopScreenTM Biowaxbased Barrier Coatings
- ► TopScreenTM Oil & Grease Resistant Barrier Coatings



AND BOARD

FOR PAPER

► TopScreenTM Water Repellent Barrier Coatings



FOR CUPSTOCK

► TopScreenTM Barrier



FOR MOLDED PULP

► ContourSM PFAS-free Oil and Grease Resistant Technology



UNBOX THE RIGHT BARRIER SOLUTION FOR YOUR FOOD AND BEVERAGE PAPER PACKAGING.

New Solenis PFAS-free food packaging barrier solutions provide the sustainability and food safety benefits all stakeholders want — and demand — in food packaging. Our experienced team will develop safer, eco-friendly packaging formulations that meet your brand's sustainability goals.

WE'RE READY TO DEVELOP A CUSTOMIZED, SUSTAINABLE SOLUTION THAT MEETS YOUR REQUIREMENTS.





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CONTACT OUR EXPERTS NOW.

https://solenis.com/en/PFAS-free-barriers