



APPVION



Appvion Commitment:
The launch of Alpha Free supports Appvion's ongoing commitment to applied innovation. Appvion helped introduce direct thermal technology, and also voluntarily removed BPA from its thermal papers in 2006.

Phenols:
Phenols are a class of organic compounds that function as a weak acid, often used to make plastics and resins. A specific phenol, bisphenol A, or BPA, is commonly part of the chemistry used to create an image on thermal receipt paper.

Alpha® Free: A Natural Choice

Today more consumers prefer products made with natural components, meaning they are actively seeking products they feel more comfortable about introducing to their homes and their families. Receipt paper is no exception. That's because a receipt is more than a proof of purchase; it's a customer experience. And for many retailers and business owners, it's also a business card.

What you hand over at the checkout matters.

The Challenge

While other thermal receipt manufacturers have responded to customer demand with phenol-free alternatives, these new receipt papers come with concerns of their own. These phenol-free products use Pergafast 201 or urea urethane compound. A 2014 report by the U.S. Environmental Protection Agency indicates that Pergafast 201 is toxic to aquatic organisms and may cause long-term, adverse effects in the aquatic environment. The study also found urea urethane has a high persistence in the environment. Appvion scientists sought to create a direct thermal product that delivers uncompromised performance and reliability, without the use of phenols or controversial substitutes.

Our Solution

To satisfy customer demand for a safe alternative, Appvion took a non-conventional approach. The company developed Alpha® Free, the only thermal receipt paper available made with vitamin C. Appvion uses vitamin C in place of traditional phenol-based thermal developers like BPA or BPS. Vitamin C, a nutritional supplement that is ingested daily around the globe, serves as an image developer in this new thermal chemistry.

Benefits of Alpha® Free

- Vitamin C is FDA approved for use with humans and animals
- Natural yellow color is easy to distinguish
- White backside suitable for promotional printing
- Good imaging, especially for economy point-of-sale receipts
- Includes Appvion's unconditional satisfaction guarantee
- Made in the USA

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