Bisphenols in thermal paper

BPA (Bisphenol-A) is a chemical which was used in the manufacturing of plastics and also in some thermal materials as a colour developer. BPS (Bisphenol-S) is an alternative developer to BPA.

As of 2nd January 2020, under new EU regulations, the use of BPA was banned due to concerns about potential health risks. All Zebra products are BPA free and have been since November 2019.

Bisphenol S is one of the alternatives to BPA and is broadly used in thermal papers.

Switzerland has taken the decision to ban bisphenol A (BPA) **and** bisphenol S (BPS) from being used in thermal paper, after the Federal Council voted in favour of their prohibition.
The decision, approved on 7 April 2019, **entered into force on 1 June 2020**. The use of the two substances is banned in thermal paper at a concentration equal to or greater than 0.02% by weight. This means that no products containing BPS should be used after this date.

What does this mean to me?
All Zebra thermal paper is now BPA free. BPS is used in some grades, as detailed below. Those which previously contained BPA have been replaced by alternative products. Your customers may require products to be BPS free or Bisphenol free, or totally phenol free.

How is Zebra supporting these changes?
Zebra can support all these requirements. Z-Select products are BPA and BPS free and widely available in the ZipShip range or as a custom quote. We can also offer a range of papers which are Bisphenol free, totally phenol free, if that is required.

Which products contain BPS?

Material name and code	ZipShip Sample P/N	BPA free?	BPS Free?	Bisphenol free?	Phenol free?
Z-Perform 1000D 10030820RM	SAMPLE30820	✓			
Z-Perform 1000D Removable 10030821RM	SAMPLE30821	✓			
Z-Perform 1000D High Tack 10033624RM	SAMPLE33624	✓			
Z-Perform 1000D-E 10035939RM	SAMPLE35939	✓			
Z-Perform 1000D Deep Freeze 10030822RM	SAMPLE30822	✓			

Material name and code	ZipShip Sample P/N	BPA free?	BPS Free?	Bisphenol free?	Phenol free?
Z-Perform 1000D 110 Tag 10030818RM	SAMPLE30818	✓			
Z-Perform 1000D 60 Receipt 10033622RM	SAMPLE33622-K	✓			
Z-Perform 1000D 80 Receipt 10026213RM	SAMPLE26213-K	✓	✓	✓	
Z-Select 1500D 10022698RM	SAMPLE22698	✓			
Z-Select 2000D 05311RM	SAMPLE5311 SAMPLE5311-D	✓	✓	✓	
Z-Select 2000D Removable 05648RM	SAMPLE5648 SAMPLE5648-D	✓	✓	✓	
Z-Select 2000D 145Tag 66782RM	SAMPLE66782 SAMPLE66782-D	✓	✓	✓	
Z-Select 2000D 190 Tag 05222RM	SAMPLE5222	✓	✓	✓	
Z-Select 2000D 60 Receipt 66893RM	SAMPLE33622-K SAMPLE66893-K	✓	✓		
Z-Select 2000D 80 Receipt 66894RM	SAMPLE26213-K SAMPLE66894-K	✓	✓		
PolyPro 4000D 65644RM	SAMPLE65644	✓	✓	✓	
PolyPro 4000D Removable 66772RM	SAMPLE66772	✓	✓	✓	
PolyPro 4000D-E 10035956RM	SAMPLE35956 SAMPLE35956-D	✓			
8000D Block Out 10033625RM	SAMPLE33625	✓			
8000D 10 Year Receipt 65684RM		✓	✓	✓	

Material name and code	ZipShip Sample P/N	BPA free?	BPS Free?	Bisphenol free?	Phenol free?
8000D High-Temp Receipt 66801RM		✓			
8000D Synthetic Receipt 10024325RM	SAMPLE24325-T	✓	✓		
8000D Ultra-Cool 10033674RM	SAMPLE33674	✓	✓		
Zero Liner 1500D		✓	✓		
Zero Liner 2500D		✓	✓		
Zero Liner 4500D		✓	✓		
Z-Band Direct 66593RM	SAMPLE66593	✓	✓		
Z-Band Ultrasoft 05193RM		✓	✓	✓	✓
Z-Band Fun/Splash 68146RM		✓	✓		

FAQS

How can I get pricing for the new options?
Contact your supplies sales representative for pricing on custom items.

How can I get samples?
The majority of branded items have a sample roll. For EXP options, contact your internal supplies sales representative.

What are Zebra's recommended printhead cleaning guidelines?

Media Size	Recommended Cleaning Frequency
Mobile rolls	After every 5 rolls
Desktop rolls	After every 3 rolls
Industrial rolls	After every roll