

GUIDE TO BPA-FREE LABELLING

Paclabel is transforming to a healthier and more eco-friendly business. And this guide will walk you through the reasons behind this change. It will help you prepare your change management plan to eliminate brand risk.

Let us act responsibly and be successful together.



Transforming to Bisphenol A-free Labelling

From January 2020, Bisphenol A (BPA) will no longer be allowed to be used in making thermal paper in the European Union. Companies that use thermal label papers need to start using BPA-free materials.



To answer the call of this trend, we at PacLabel have been moving to BPA-free label materials. Now, all direct thermal labels from us are BPA free with a Non-toxic certificate. And we follow future trends constantly and take steps to shape industry standards. So, we are working on offering more eco-friendly and regenerative options from our product range.

WHAT is BPA?

Today's consumers are highly knowledgeable. They read labels carefully, care about the packaging's sustainability, and how it could affect people's health. As a result, they demand safe and regulation-compliant packaging.

In recent years, there have been concerns that BPA could negatively affect our health. Bisphenol A (BPA) is a chemical used primarily as a monomer in the production of polycarbonate plastics and epoxy resins. Polycarbonate plastics are rigid plastics sometimes used for food contact materials, including drink bottles. Epoxy resins are used for lining tin cans.

Three major types of resin are used for food cans where the food is sterilised in the can namely; epoxyphenolic, PVC organosol and polyester phenolic. Of these coatings, the epoxyphenolic is the most important and is used where the can is made of two or three pieces, particularly shallow draw, 2 piece cans such as those used for canned fish. BPA is a starting substance used in the manufacture of most types of epoxy resins but is not normally present in PVC organosol coatings. (Source: mpi.govt.nz)





Benefits

of BPA-Free thermal labels

First of all

It limits all the possible health risks. Using a BPA-free thermal paper can lessen all the worries you can have not only for your employees but also for your loyal customers. Letting them know that you care for their safety is a true mark of a successful businessman.

Secondly

It's environment-friendly - Once put into waste, BPA products will start to bring some negative tolls to everyone within the area especially if that area is close to the vicinity of wildlife. Animals can suffer the same effects of BPA as well, altering their ability to reproduce.

Lastly

It provides the same image quality – Many people wonder whether the absence of BPA affects the quality of prints that the thermal paper produces. While it is true that BPA is excellent for making stable and clear thermal prints, BPA-free thermal papers are still very competitive in terms of overall print quality.

WHY

does BPA raise concerns?

BPA is weakly estrogenic – it is able to mimic the female sex hormone, 17 β -estradiol, but requires much higher concentrations to achieve the same effect. Consequently, the main effects of interest for BPA are developmental and reproductive toxicity. (Source: mpi.govt.nz) How safe BPA largely depends on how and how frequently people come into contact with it. This is referred to as the Daily Tolerable Intake. In response to the possible impacts of the chemical and the public debate, EFSA set a Tolerable Daily Intake (TDI) for bisphenol A of 0.05 mg/kg body weight/day (50 μ g/kg body weight/day).



BPA-FREE LABELLING SOLUTIONS

From Paclabel

Although the use of BPA is completely unregulated In New Zealand, We at Paclabel wish to be the pioneer and take our responsibility seriously. Co-operating with our partners in the value chain is also very important to us. We have ensured that we are BPA-free well in all direct thermal labels. The developer used in these materials is non-phenolic, making it chemically different from all other colour developers used in thermal papers. We see this as a long-term legally compliant solution. In the meantime, we are actively searching for healthier alternative solutions to replace current products.

Secure your compliance and market position by switching to Paclabel BPA-free and non-toxic labelling materials now. Join us in becoming a leader in sustainability, take our direct thermal range and use labels that are up to 20% more carbon positive than standard products.

"We always aspire to be at the forefront - to understand not only what our customers need today, but what they don't know that they need yet."

BPA-Free Direct Thermal Label Range

IN STOCK

- *Overnight Courier*
- *Over 60 sizes are available now*
- *Perforation available*
- *Rectangle & circle available*
- *Core size:
28mm, 40mm,
19mm, 12.7mm*

**see website for more detail*

CUSTOM SIZE

- *8 working days*
- *New die plate making*
- *Contact us for detail*

What you can expect from Paclabel in the **FUTURE**

We are working on offering you more eco-friendly and regenerative options to replace current products. For instance, the Fanfold courier labels from us are not only BPA free, but also offer less replacements compared with traditional courier labels, which makes it create waste. Another example is that we are planning to replace some thermal labels with linerless labels. This is a type of labels that doesn't have backing papers, they are Eco Friendly (less paper wastage), Production Efficiencies (more labels in the roll), Flexible (label length customizable), Improve Workflow (fast and efficient service), and Cost Saving (Lower transportation cost). Linerless labels are great for the food and retail industry.

Overall, Paclabel is constantly thinking about how to improve our sustainability and carbon reduction. And we are working together with the industry and our customers is key to delivering the sustainable label solutions of the future.



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