

## ENVIRONMENTAL AND PRODUCT INFORMATION SHEET

### **Product**

Triple wall paper cup and soup bowls with PLA lamination.

Triple wall paper cups are made from FSC paper and coated with a plant-based PLA plastic. The additional rippled wall structure provides an extra insulating layer, protecting your hands from very hot coffee or tea.

### **Material**

Paperboard with PLA-lamination

### **Additive**

For printed products: Water based printing inks.

### **Packaging**

Inner: Polyethylene PE

Outer: Corrugated board box

### **Field of Application**

The cups can be used for hot and cold beverages. It can be used for hotfill and temperatures up to 70°C for 2 hours. The cups are not suitable to use in a microwave oven.

The cups are not suitable for beverages with high alcoholic content due to functional properties (risk of leakage).

### **EC Directive 94/62/EC on Packaging and Packaging Waste**

The packaging complies with all essential requirements as defined by 94/62/EC.

For example, minimum adequate amount of packaging, limitation of heavy metal content, recyclable through at least one of the following: reuse, material recovery, energy recovery or composting.

### **Environmental Aspects**

#### **Product**

The cups are manufactured from virgin pulp and PLA (poly lactic acid) lining. Both PLA and paperboard origins from renewable sources.

Polylactic acid (PLA) is a bioplastic produced from fermented corn starch, a surplus renewable material. The lactic acid formed during fermentation is collected and polymerised into PLA.

Choose PLA to promote the change from fossil-based plastic to biobased alternatives from plants.

PFAS (per- and polyfluoroalkyl substances) are not being used in any step of the manufacturing of the products.

#### **Packaging**

The polyethylene is fossil based.

The corrugated board box is made from wood, which is a renewable resource.

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**Product Safety**

The product fulfils the following:

- EU Regulation 1935/2004/EC, Material and products intended for contact with foodstuff.
- EU Regulation 2023/2006/EC, Good Manufacturing Practice.
- EU Regulation 10/2011/EC with amendments  
Migration tests on the article material performed by an independent institute showed that under appropriate test conditions, overall and specific (when relevant) migration falls considerably below the limit given by regulation 10/2011. (For further details, see Declaration of Compliance).
- Paperboard complies with German BfR recommendation XXXVI
- For cups with print: Printing ink complies with Swiss Ordinance No. 817.23.21 (Swiss Consumer Goods Ordinance)
- Duni manufacturing units are certified according to the international quality system ISO 9001. They have also implemented the environmental management system ISO 14001.

**Management of Used Products****Recycling**

Collection, sorting and material recovery are all part of the recycling process.

Recycling of the plastic and the corrugated board is possible for producing new products. However, recycling is dependent on local waste handling infrastructure. Make sure to check with the local recycling company.

**Energy Recovery**

Incineration of mixed waste for energy recovery is a good end-use of products. Paper and plastic may burn well with low emissions.

Incineration facilities for energy recovery are dependent on local infrastructure. Incineration for energy recovery is a good alternative when material recovery is not available by recycling.

**Validity**

This is issued 2023-11-10. It is revised when there is a change in the manufacturing process, in the product or in legislation.