

# ENVIRONMENTAL AND PRODUCT DATA SHEET

## **Product**

Paper cups (Melli cups and Double wall cups)

## **Material**

Paperboard with a water-based impregnation manufacturing process (< 0.75 % (w/w))  
Printing inks

## **Packaging**

Inner: PE  
Outer: Carton

## **Area of Use**

The cups can be used with all kinds of beverages up to 90 °C. The cups can be safely used with all aqueous, acidic and alcoholic beverages up to an alcohol content of 10%.

Limitations of the material:

- Paper is a fibrous material and as the cups have no plastic lamination, they are recommended for short term use.
- Higher alcohol content can cause the cup to leak if left for several hours.
- The cups should not be used in a microwave oven.

## **Environmental Aspects**

### Product

The paper is made from FSC-certified virgin renewable wood fibres. The cup is FSC certified according to "Mixed Sources" certification number DNV-COC-000148.

The paper contains a water-based formula with very low amounts of synthetic polymers. This formula makes up less than 0,75% of the cup's weight, which is significantly low compared to a classic plastic laminate cup containing approx. 10 % plastic.

The cup holds a Flustix Plastic free Product-certification. To obtain this the cup has passed through a multitiered plastic-testing method performed by an independent testing laboratory.

From a technical perspective it is difficult to go below 0.75 % without jeopardising the functionality of the cup. This is also the maximum limit to be able to get a Flustix certification.



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

### Packaging

PE foil is made from fossil sources and is used for packaging purposes.

The corrugated board box is to a large extent made of recycled fibres.

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**Packaging and Packaging Waste**

The packaging complies with all essential requirements as defined by Directive 94/62/EC on packaging and packaging waste. This means minimum adequate amount of packaging, limitation of heavy metal content, recyclable through at least one of the following: reuse, recycling, material recovery, energy recovery or composting (more details under Management of Used Products).

**Product Safety**

The product fulfils the following:

- EU Regulation 1935/2004/EC
- EU Regulation 2023/2006/EC
- BfR recommendation XXXVI, Paper and board for food contact and LFGB
- 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

The cups can be sorted with paper for recycling. Check with the local waste handling company for best information on how to handle the product after use as markets and countries handle recycling differently.

Energy Recovery

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 2023-05-24. It is revised when there is a change in the manufacturing process, in the product or in legislation.