ENVIRONMENTAL AND PRODUCT DATA SHEET

Product
Paper cups and soup bowls with PLA lamination

Material
Paper board
PLA (poly lactic acid)
Printing inks (water based)

Packaging
Inner: PE
Outer: Carton

Field Of Application
Cups
The cups can be safely used with all aqueous, acidic and alcoholic beverages up to an alcohol content of 20% for both cold and hot beverages at maximum hotfill conditions (100 °C maximum 15 minutes. Higher alcohol content can cause the cup to leak if left for several hours.

Bowls
The bowls can be used for long term storage at room temperature or below, including heating up to 70 °C for up to 2 hours and hotfill conditions (100 °C maximum 15 minutes) for all kinds of solid and semi-solid food.

Neither cup nor bowl should be used in a microwave oven.

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 wooden pulp and PLA (poly lactic acid) which 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.

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

SUPD
The products are in compliance with the Single-Use Plastic Directive 2019/904 (SUPD). This means beverage cups that contain any amount of plastic must feature the following label:

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

Packaging
The polyethylene is fossil based.

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

Product Safety
The products fulfil the following:

- EU Regulation 10/2011/EC with amendments
- EU Regulation 1935/2004/EC
- EU Regulation 2023/2006/EC
- 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*).
- 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.

Compostability
The product is compostable in industrial facilities and complies with EN standard 13432:2000 for packaging recoverable through composting and biodegradation.

INDUSTRIAL composting requires industrial composting facilities. Sorting and facilities are limited to local infrastructure. Please check with the local waste handling company for best end-of-life handling.

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 2023-05-23. It is revised when there is a change in the manufacturing process, in the product or in legislation.