ENVIRONMENTAL AND PRODUCT DATA SHEET

Product
Paper cups CIRCUIT

Material
Paper board PE-lamination

Packaging
Inner: PE
Outer: Carton

Field Of Application
The product can be used for hotfill and temperatures up to 70°C for 2 hours for all kinds of beverages.

The cups is not suitable to use 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
Cardboard is made out of wooden pulp, a renewable resource.

PE is a polymer produced from refined mineral oil or natural gas.

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

Packaging
PE is manufactured from mineral oil or natural gas. The polymer consists simply of carbon and hydrogen.

The corrugated board is unbleached and to a large extent made from recycled fibres.

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Product Safety
The products fulfil the following:

- EU Regulation 10/2011/EC with amendments
- EU Regulation 1935/2004/EC
- EU Regulation 2023/2006/EC
- The paper board fulfils the German recommendation BfR XXXVI.
- 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
The product may be recycled with cardboard and paper materials. However, recycling depends on collection, sorting and general material acceptance. Always consult with a local waste handler for recycling recommendations.

Recycling of the plastic and the corrugated board is possible for producing new products.

Energy Recovery
All the materials are suited for 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 2023-01-16. It is revised when there is a change in the manufacturing process, in the product or in legislation.