

ENVIRONMENTAL AND PRODUCT SAFETY DATA SHEET

Product

Paper cup and Treat tubs with PE-lamination

Raw Material

Paper board PE-lamination

Additive

Printing inks – water based

Packaging

Inner: PE

Outer: Carton

Field Of Application

The cups can be used for hot and cold beverages. The article can be used for hotfill and temperatures up to 70°C for 2 hours.

The products should not 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 pulp and PE (polyethylene) which is a polymer produced from refined mineral oil. The pulp is from renewable resources.

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.

Product Safety

The products fulfill the following:

- EU Regulation 10/2011/EC with amendments
- EU Regulation 1935/2004/EC
- EU Regulation 2023/2006/EC
- The paper board fulfills 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

Energy Recovery

All the materials are suited for energy recovery. Complete combustion gives mainly rise to carbon dioxide and water. The energy content of plastics/paper is comparable to that of oil/ wood.

Recycling

Recycling of the plastic and the corrugated board is possible for producing new products. Check with the local recycling company.

Validity

This is a copy of a document issued 2019-11-07. It is normally updated every second year or when there is a change in the manufacturing process, in the product or in legislation. To make sure that you have the latest edition, contact Duni AB.



Issued: 2018-08-08
Valid to: 2020-08-08

DECLARATION OF COMPLIANCE

Description	Material	Article Number
<i>Paper cup, Treat tubs</i>	<i>PE/Cardboard</i>	187547

Duni declares that the article meets the requirements of:

- EU Regulation 10/2011/EC with amendments
- EU Regulation 1935/2004/EC
- EU Regulation 2023/2006/EC
- Paperboard comply with German BfR recommendation XXXVI

1. According to the above mentioned regulations, the overall migration should not exceed 10 mg/dm² or 60 mg/kg.

2. To our knowledge the product does not contain any monomers or additives with restrictions to regulation 10/2011/EC.

Migration tests on the article material performed by an independent institute showed that under the following test conditions, overall migration (see 1.) falls considerably below the limit given by regulation 10/2011.

Based on the migration tests and Declaration of Compliance, the cup can be used for hot and cold beverages. The cup can be used for hotfill and temperatures up to 70°C for 2 hours. The cups are not suitable for beverages with high alcoholic content due to functional properties.

The cups are not suitable to use in a microwave oven.

187547



Test conditions:

Overall migration

3% Acetic acid 2 hours at 70°C

10 % Ethanol 2 hours at 70°C

95 % Ethanol 2 hours at 60°C

Isooctane 0.5 hour at 40°C

OM3*

**corresponding standard testing conditions to vegetable oil at 2 hours at 70°C*

The ratio of food contact surface area to volume used is 6 dm²/kg

No substances of dual use are present in the product.

The product does not contain any functional barrier.

According to the document in our possession, Primary Aromatic Amines are below 10 ppb.

Please be advised that Duni AB does not add anything into the product.

This document of compliance is based on:

- Documentation from suppliers
- Global migration test

This document was issued electronically and is therefore valid without signature.