



ENVIRONMENTAL AND PRODUCT SAFETY DATA SHEET

Product

Paper straws

Material

Paper, glue, printing inks

Packaging

Inner: Polyethylene (PE)

Outer: Corrugated board box

Field Of Application

The straws are safe to use with all kinds of beverages up to 90 °C from a food contact perspective. However, it is not recommended to use them with hot drinks because of deteriorating performance and stability as well as due to the risk of burn injuries.

Limitations of the material:

- Paper is fibrous material and the as the surface of the straws are untreated they are not suitable for long-term use.
- The straws are not suitable to be used in a microwave oven.

Different kinds of food can have an impact on the physical behaviour of the straw. Duni's recommendation is for the customer to test their application for their needs.

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

Paper is made from FSC-certified wood, which is a renewable resource. The pulp is unbleached.

Packaging

PE foil is made by refining of mineral oil or natural gas. The polymer consists simply of carbon and hydrogen.

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



Product Safety

The products fulfil the following regulations and recommendations and have been tested accordingly:

- EU Regulation 1935/2004/EC on materials and articles intended to come into contact with food.
- EU Regulation 2023/2006/EC on good manufacturing practice for materials and articles intended to come into contact with food.
- BfR XXXVI (BfR Bundesinstitut für Risikobewertung).
- EU Timber Regulation 995/2010 (EUTR)
- 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

The product may be recycled with cardboard and paper materials. Sorting for different waste handling alternatives need to follow local regulations.

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 2019-11-29. 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, CSR and Quality Department.