

# ENVIRONMENTAL AND PRODUCT SAFETY DATA SHEET

**Product**

Bio boxes

**Raw Material**

Cardboard with PLA-lamination

Glue

**Packaging**

Inner: PE + Cardboard

Outer: Corrugated board box

**Field Of Application**

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

The boxes have been evaluated at high temperature conditions for the use in a microwave oven. However, different microwave ovens have different efficiency and might impact the material in different way.

**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 boxes are manufactured from virgin pulp and PLA (polylactic acid).

The cardboard and coating origins from renewable sources.

Product is FSC certified according to "Mixed Sources" certification licence code FSC-C014985.

**Packaging**

Polyethylene 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. The printing ink is water-based.

**Product Safety**

The product / raw material fulfil the following:

- EU Regulation 1935/2004/EC, Material and products intended for contact with foodstuff.
- EU Regulation 2023/2006/EC, Good Manufacturing Practice.
- EU Regulation 10/2011/EC with amendments, Material and products of plastic produced for contact with food.
- 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 or will implement 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 2021-08-31. 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 Group.