

# ENVIRONMENTAL AND PRODUCT SAFETY DATA SHEET

**Product**

Paper cup and soup bowls with PLA lamination

**Raw Material**

Paper board PLA-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 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.

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 a copy of a document issued 2021-06-14. 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.