



ENVIRONMENTAL AND PRODUCT SAFETY DATA SHEET

Product

Duni Tissue 1-, 2- and 3-ply napkins

Raw Material

Tissue paper

Additives

Dye
Ink

Packaging

Inner: Plastic film of polyethylene (PE) or polypropylene (PP)
Outer: Corrugated board box

Environmental Labeling

Consumer packed uni-colored and printed (except gold and silver) tissue napkins are labeled with the Nordic Environmental Label 'The Swan'.

Field Of Application

The product is intended for enhancing the tabletop environment.

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 tissue napkins are manufactured from Totally Chlorine Free pulp (TCF) i.e. bleaching chemicals used are oxygen, hydrogen peroxide and if required ozone. Or Elementary Chlorine Free (ECF). i.e. pulp bleached without chlorine gas with only virgin fibers. Coloring of the pulp is made with organic dyes. Printing is done with water based flexographic printing ink.

The product is FSC certified according to "Mixed Sources" certification number DNV-COC-000148

Packaging

Polyethylene is manufactured from mineral oil or natural gas. The polymer simply consists of carbon and hydrogen. The corrugated board box is unbleached and to a large extent made of recycled fibers.

Product Safety

The product / raw material fulfil the following:

- The products fulfil BfR, Bundesinstitut für Risikobewertung, A0, Hinweise zur Beurteilung von Hygienepapieren.
- The printing inks fulfil BfR, Bundesinstitut für Risikobewertung, Del C Bedarfsgegenständeverordnung § 3 Anlage 1 Nr. 7. Azo dyestuffs, which may split in carcinogenic aromatic amines, are not used.
- The dyes do not contain heavy metals such as mercury, cadmium, lead or hexavalent chromium.
- Colored and printed napkins are tested according EN 646 (Determination of colorfastness of dyed paper and board) and has been found to have good fastness.
- Duni manufacturing units are certified according to the international quality system ISO 9001 and 9002. 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 2010-09-13. 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, Environmental Affairs.