



ENVIRONMENTAL AND PRODUCT SAFETY DATA SHEET

Product

Dunicel® Elegance

Raw Material

Pulp

Additives

Color, Glue, Filler
Water repellent agent (only some Dunicel products)

Packaging

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

Field Of Application

The products is intended for enhancing the meal and serving environment.

Manufacturing

The tissue paper is produced from virgin cellulose fibers. No fluorescent whitening agents (FWA) are added. A few layers of tissue paper, white or colored are glued together with filler. Decor printing is made in a printing machine.

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 in the Dunicel products is manufactured from Totally Chlorine Free pulp (TCF) i.e. bleaching chemicals used are oxygen, hydrogen peroxide and if required ozone. Or Elemental Chlorine Free pulp (ECF) i.e. pulp bleached without chlorine gas with only virgin fibers.

Coloring of the pulp is made with organic dyes. The glue and printing inks are water based.

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

Packaging

PE and PP are made from refined natural gas or mineral oil. The polymers consist simply of carbon and hydrogen.

The corrugated board box is unbleached and to a large extent made from recycled fibers.

Product Safety

- The products fulfil BgVV, Empfehlungen des Bundesinstitutes für gesundheitlichen Verbraucherschutz und Veterinärmedizin, A0, Hinweise zur Beurteilung von Hygienepapieren.
- The printing inks fulfil BgVV, Empfehlungen des Bundesinstitutes für gesundheitlichen Verbraucherschutz und Veterinärmedizin, Part C Bedarfsgegenständeverordnung § 3 Anlage 1 Nr. 7. Azo dyestuffs that may split in carcinogenic amines are not used.
- The dyes do not contain heavy metals such as mercury, cadmium, lead or hexavalent chromium.
- Dyes and printing inks 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 2013-01-01. 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.