



## ENVIRONMENTAL AND PRODUCT SAFETY DATA SHEET

### **Product**

Dunilin® Napkins and  
Airlaid Napkins

### **Raw Material**

Pulp

### **Additives**

Color  
Glue

### **Packaging**

Plastic film of polypropylene (PP)  
Corrugated board box

### **Manufacturing**

The paper is produced from virgin paper and The fibers are glued together with water-based glue in a standard airlaid technique, the required amount of process water is reduced to a minimum compared to traditional paper manufacturing. Decor printing is made in a printing machine.

### **Field Of Application**

The product is intended for the use of 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 Dunilin products are manufactured from ECF-pulp (Elementary Chlorine Free), i.e. pulp bleached without using chlorine gas. The pulp is white or dyed to desired color with organic dyes. The glue is water-based. Printing is done with water-based printing inks.

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

### **Packaging**

Polypropylene 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 fibers. The printing inks are water-based.

### **Product Safety**

- The products fulfil BfR, Bundesinstitutes für Risikobewertung, A0, Hinweise zur Beurteilung von Hygienepapieren.
- The colors fulfil BfR, (Bundesinstitutes für Risikobewertung) Del C Bedarfsgegenständeverordnung § 3 Anlage 1 Nr. 7. Azo dyestuffs, which may split in carcinogenic aromatic amines, are not used.
- 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 2008-08-07. 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.