

**Stora Enso**

**Division Packaging Materials**

**Customer Information on Fluorinated Substances, such as PFAS**

**General about Division Packaging Materials and our products**

Stora Enso Division Packaging Materials is a part of food and other sensitive products value chain. Our products can be used as primary packaging materials or they can be part of ready-made articles, e.g., in corrugated boxes.

Our products can be manufactured with 100% fresh/virgin, predominantly fresh and/or recycled fibres.

In the production of paper and baseboard of our food contact materials, we use chemical additives, which comply with German BfR Recommendation XXXVI and/or US FDA 21 C.F.R Regulation. Whenever our products comply with China GB legislation, chemicals are also approved by GB 9685-2016. The fresh pulps used for paper and paperboard production are elemental chlorine free (ECF). Whenever we use recycled fibres we aim to use recycled fibers that are sourced according to EN 643 classifications.

Food contact paper and paperboard products which are manufactured at the mills of Stora Enso Division Packaging Materials (excluding Langerbrugge mill) comply with the Regulation (EC) 1935/2004 *on materials and articles intended to come into contact with food*. This regulation is valid for all food contact materials, and it states the safety principles for all food packaging materials. Our products (excluding Langrebrugge products) are manufactured in accordance with Regulation (EC) 2023/2006 *on good manufacturing practice for materials and articles intended to come into contact with food*.

More details of product and food safety topics are communicated in the product specific Declaration of Compliance.

## Background for fluorinated substances topic

Per- and polyfluoroalkyl substances (PFAS) are a large group of man-made chemicals that are manufactured and used in a variety of industries around the world as they have special properties, e.g., heat resistance and anti-stick properties. There are about 6,5 million different compounds that have C-F bonding. The most known PFAS are perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA). Some of fluorinated substances are persistent and bio accumulative. Some of them are also suspected to be carcinogenic, immunotoxin and endocrine disruptors.

EFSA's Panel on Contaminants in the Food Chain (CONTAM) has published a scientific opinion on *Risk to human health related to the presence of perfluoroalkyl substances in food* in Sept 2020.

European Chemicals Agency (ECHA) has proposed restriction of around 10 000 per- and polyfluoroalkyl substances (PFASs). This proposal, published in February 2023 is now available on ECHA's website <https://echa.europa.eu/>. EU Commission and Member States are currently expected to take the final decision regarding the restriction in 2025.

Current analytical PFAS test methods can measure roughly some 40 compounds. That is less than 0.1% of the approximately 4,700 CAS-registered compounds classified as PFAS.

Certain EU Member States and countries outside Europe have issued specific legislation for PFAS in food contact materials. Based on our current knowledge, we can state that our products, before further converting, comply with Danish Order no 681 of 25 May 2020, to prohibit PFAS chemicals in food contact paper and board materials and articles.

### About the EU's ban on PFHxA

The EU Commission adopted in September 2024 new measures which will restrict use of undecafluorohexanoic acid ('PFHxA') and PFHxA -related substances in such as textiles, cosmetics and food packaging. The mills of Stora Enso Division Packaging materials do not intentionally add and any PFHxA substances in manufacturing of food packaging materials, including barrier coated products.

### EU Packaging and Packaging Waste Regulation (PPWR)

The EU's new Packaging and Packaging Waste Regulation (PPWR) was formally adopted in December 2024 and entered into force on 12 February 2025. The PPWR will apply across the EU from 12 August 2026.

PPWR mandates that, from 12 August 2026, food contact packaging shall not be placed on the EU market if it contains PFASs in a concentration of or above the following cumulative limit values:

1. 25 ppb for any PFAS as measured with targeted PFAS analysis;
2. 250 ppb for the sum of PFASs measured as sum of targeted PFAS analysis, optionally with prior degradation of precursors; and
3. 50 ppm for PFASs (polymeric PFASs included). If total fluorine exceeds 50 mg F/kg the manufacturer, importer or downstream user shall upon request provide to the enforcement authorities a proof for the fluorine measured as content of either PFASs or non-PFASs.

Stora Enso is closely monitoring the development of the Regulation and is committed to comply with the requirements of PPWR.

**In any case, the mills of Stora Enso Packaging Materials do not use and intentionally add any fluorine containing active components (like per- and polyfluoroalkyl substances PFAS) in the manufacturing of the paper and paperboard products.**

This means that our products are not treated with any fluorinated substances (including PFOA and PFOS).

This information is valid for the paper, paperboard, and barrier coated products that are delivered by the mills of Stora Enso Division Packaging Materials, before further material converting.

#### **Disclaimer**

*It is the responsibility of the manufacturer of the final product/package to ensure that products fabricated from material manufactured by us meet all relevant regulatory and legislative requirements, specifications and limitations in the intended application and end use. This information and its contents are subject to the following additional limitations and disclaimers:*

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