

Mineral Oil and Food Packaging Info sheet



What is the situation today?

Over the last few years, traces of mineral oil have been found in foodstuffs. As there are concerns about the potential harmful effects of mineral oils, the relevant ministries, authorities and trade associations have been investigating this closely.

What does the research say?

There is increasing evidence that traces of mineral oil can be contained in foodstuffs. The traces in question are volatile saturated and unsaturated hydrocarbons.

Potential causes and sources of these mineral oil traces are:

- Exposure in agriculture
- Contamination during food processing
- Interaction with packaging, above all transferred by offset printing inks
- Storage environment



What can Mondi offer?

Mondi products touch the lives of millions of people, every day. We therefore want our products to have a positive impact on society and the communities in which we operate.

Food safety expertise

We have a wealth of knowledge to share on this topic and a state-of-the-art Food Safety Laboratory in Frantschach, Austria, which maintains a database of all the papers and inks that are used for food packaging.

Rigorous control of raw materials

Mondi offers a wide range of paper- and plastic-based materials certified for food safety.

Certified sites

Numerous Mondi sites in Europe have been certified for food safety and hygiene (e.g. ISO 22000, BRC/IoP, EN 15593, HACCP).

Mineral oil-free inks

Mondi's packaging for foodstuffs in the EU is not printed with inks containing mineral oil.

A selection of Mondi's full range of solutions

Mondi has developed a variety of high-performance solutions – from paper and boxes made from pure pulp of the highest quality via polymer films to laminated paper-based barrier films – to prevent mineral oil migration. We can work with you to find the right solution for your business and we have experts in this field that can offer advice.

Paper made of pure pulp of the highest quality

Sack kraft and speciality kraft paper

These paper grades made from 100% virgin fibres meet the strict requirements of the BfR* recommendation for food contact and are used for the most demanding packaging applications. The report published by the German consumer organisation Stiftung Warentest (08/2015) confirms the high quality of paper bags.

*Bundesinstitut für Risikobewertung

YBBS® premium board

With Mondi's YBBS® premium board range, producers and end users of folding boxes opt for 100% virgin fibre board suitable for all kinds of applications. The board grades range from high white to ivory and a broad range of colours and comply with the BfR recommendation XXXVI for food contact.



Corrugated food packaging

Mondi can design packaging solutions that protect foodstuffs from mineral oils by carrying out a comprehensive analysis of the foodstuff properties, the type of contact and the storage conditions. Subsequently we can offer a selection of appropriate packaging components, such as paper, printing inks, varnishes and glues, for the respective design.



Miprotex

Like Mondi's popular Paratherm barrier liner, Miprotex is an ideal paper-based solution that prevents mineral oil migration. In various tests carried out by renowned laboratories, the new material showed excellent results thus ensuring an optimal mineral oil barrier. Miprotex is a cost-efficient alternative to conventional high-barrier materials and provides a good barrier against aromatics and grease. It complies with all direct food contact regulations and also offers good protection against oxygen and water vapour.



Hot Lock®

Hot Lock® is ideally adapted to the needs of the food industry as this open mouth bag allows clean, hygienic filling and closure. The melt applied along the bag opening closes reliably. There's no need for handling threads for sewing or adhesive strips. For equally clean opening, Hot Lock® can be equipped with Easy Open or Tear Top features.



Mondi's approach to product responsibility

Mondi is an international packaging and paper Group, with production sites in more than 30 countries and key operations in central Europe, Russia, North America and South Africa. Our aim is to create long-term value for our stakeholders by transforming renewable resources into innovative product solutions that meet customer needs in a responsible and sustainable way.

Mondi offers its customers cost-efficient, high-performance and environmentally sound product solutions. This includes actively managing the environmental, safety and health impacts of all our products throughout their life cycles using the integrated approach advocated by the United Nations Environmental Programme (UNEP).

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