



HONGCAI TESTING

Consumer products

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France Approved Order Specifying Substances Contained in Mineral Oils Prohibited for Use on Packaging and for Printed Matter Distributed to Public

In 2022, the French Ministry of ecological issued a draft entitled "Substances contained in mineral oils prohibited for use on packaging and for printed matter distributed to the public" in accordance with the environmental law D.543-45-1, D.543-213 and Article 112 of Decree No. 2020-105, recently the draft has completed the WTO public consultation. On May 3, 2022, France approved and issued the decree of April 13, 2022 (arr ê t é Du 13 Avril 2022), which will enter into force on January 1, 2023.

After the decree comes into force, the restriction requirements are as follows:

Substance	Restriction requirements	Entry-into-force time
Mineral Oil Aromatic Hydrocarbons (MOAH) consisting of 1 to 7 aromatic cycles	1% (10000 ppm) in the ink	1 January 2023
	0.1% (1000 ppm) in the ink	1 January 2025
Mineral Oil Aromatic Hydrocarbons (MOAH) consisting of 3 to 7 aromatic cycles	0.0001% (1 ppm) in the ink	1 January 2025
Mineral Oil Saturated Hydrocarbons (MOSH) consisting of 16 to 35 carbon atoms	0.1% (1000 ppm) in the ink	1 January 2025

Transition period:

- (1) Packaging and printed matter of paper manufactured or imported before 1 January 2023 shall be granted a period of not more than 12 months from that date for the disposal of stocks;
- (2) Packaging and printed matter of paper manufactured or imported before each of the deadlines and which comply with the provisions authorised before those deadlines shall be granted a period for the disposal of stocks of 12 months from those deadlines.

Original link : <https://www.legifrance.gouv.fr/jorf/id/JORFTEXT000045733481>

As a complex hydrocarbon, mineral oil mainly includes straight chain, branched chain alkane, alkyl substituted cycloalkane (mosh) and alkyl substituted aromatic hydrocarbon (moah). Mineral oil ingested through diet is easy to accumulate in the human body and cause great damage to human health. On October 27, 2017, in the list of carcinogens published by the international agency for research on cancer of the World Health Organization,



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untreated or lightly treated mineral oil was included in the list of class 1 carcinogens, and mineral oil and highly refined oil were included in the list of class 3 carcinogens.

HCT SOLUTION :

At present, the restrictions on mineral oil are aimed at all kinds of packaging materials except France, the legislation of other countries is basically aimed at food contact with paper and ink. Of course, the scope of control may be expanded in the future, so relevant enterprises need to pay close attention to the dynamics of regulations. HCT has a wide range of testing fields and convenient service channels, which can help enterprises evaluate the special chemicals regulated in products and make your products meet the corresponding national and international organization standards.

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