Flavouring substance (E)-3-benzo[1,3]dioxol-5-yl-N,N-diphenyl-2-propenamide

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EU authorises (E)-3-benzo[1,3]dioxol-5-yl-N,N-diphenyl-2-propenamide

Commission Regulation (EU) 2025/140 of 29 January 2025 amending Annex I to Regulation (EC) No 1334/2008 as regards the inclusion of (E)-3-benzo[1,3]dioxol-5-yl-N,N-diphenyl-2-propenamide in the Union list of flavourings

Update

Following a review of its safety, the European Union has added (E)-3-benzo[1,3]dioxol-5-yl-N,N-diphenyl-2-propenamide to the list of flavourings that may be used in foods.

What is changing?

The EU has added (E)-3-benzo[1,3]dioxol-5-yl-N,N-diphenyl-2-propenamide to the list of flavourings that can be used in foods. This flavouring is only authorised to be used in certain categories of confectionery (food category 5), as detailed in Table 1. For further information on food categories, see the Commission Guidance Document [download].

Why?

The European Food Safety Authority (EFSA) evaluated the safety of (E)-3-benzo[1,3]dioxol-5-yl-N,N-diphenyl-2-propenamide in certain types of confectionery and concluded that there is no safety concern at the levels proposed by the applicant. EFSA took into account the presence of this substance in toothpaste (EFSA 2022).

Timeline

Certain confectionery containing (E)-3-benzo[1,3]dioxol-5-yl-N,N-diphenyl-2-propenamide can be placed on the EU market from **19 February 2025**.

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Background

Regulation 1334/2008 prohibits adding certain undesirable natural substances to food. It also lays down maximum levels for some substances that are naturally present in flavourings, but that may raise concerns for human health.

The Regulation defines different types of flavourings, and lists the substances for which evaluation and approval is required.

The Union list of flavouring substances approved for use in and on foods (Regulation 872/2012) was adopted in 2012.

When EFSA evaluates flavouring substances, it allocates them a unique identification number called an FL-number. FL comes from “FLAVIS”, the EU’s flavouring information system. (E)-3-benzo[1,3]dioxol-5-yl-N,N-diphenyl-2-propenamide has the number: FL No 16.135. The FL-number is not used for labelling purposes.

Resources

European Commission (2024) Guidance document describing the food categories in Part E of Annex II to Regulation (EC) No 1333/2008 on Food Additives

EFSA (2022) Scientific opinion on flavouring group evaluation 415 (FGE.415): (E)■3■benzo[1,3]dioxol■5■yl■N,N■diphenyl■2■propenamide. EFSA Journal, 20(7): 7355.

Sources

Commission (EU) 2025/140 as regards the inclusion of (E)-3-benzo[1,3]dioxol-5-yl-N,N-diphenyl-2-propenamide in the Union list of flavourings

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Tables & Figures

Table 1
Specific conditions of use of (E)-3-benzo[1,3]dioxol-5-yl-N,N-diphenyl-2-propenamide

Food category	Description	Conditions
5.2.	Confectionery except for cocoa and chocolate products (as covered by Directive 2000/36/EC). 5.2. includes breath freshening micro-sweets	Not more than 250 mg/kg
5.3.	Chewing gum	Not more than 500 mg/kg
5.4.	Decorations, coatings, and fillings, except fruit-based fillings covered by category 4.2.4. (fruit and vegetable preparations)	Not more than 150 mg/kg

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Source: Regulation (EU) 2025/140

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