



Brussels, 9.11.2021  
C(2021) 7877 final

**COMMISSION IMPLEMENTING DECISION**

**of 9.11.2021**

**granting an authorisation under Regulation (EC) No 1907/2006 of the European Parliament and of the Council to Boehringer Ingelheim Pharma GmbH & Co. KG and Boehringer Ingelheim RCV GmbH & Co KG for a use of 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (4-tert-OPnEO)**

(ONLY THE GERMAN TEXT IS AUTHENTIC)

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(ONLY THE GERMAN TEXT IS AUTHENTIC)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC<sup>1</sup>, and in particular Article 64(8) thereof,

Whereas:

- (1) 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (4-tert-OPnEO) is listed in Annex XIV to Regulation (EC) No 1907/2006 and uses of that substance are subject to the authorisation requirement in Article 56(1)(a) of that Regulation.
- (2) On 11 February 2019, Boehringer Ingelheim Pharma GmbH & Co. KG and Boehringer Ingelheim RCV GmbH & Co KG ('the applicants') submitted an application in accordance with Article 62 of Regulation (EC) No 1907/2006 for authorisation for a use of 4-tert-OPnEO. The use for which authorisation was sought is in a washing buffer to purify biological APIs (active pharmaceutical ingredients) during the production of Palivizumab and Moxetumomab pasudotox-tdfk.
- (3) On 20 September 2019, the Commission received the opinions on the application adopted by the Committee for Risk Assessment (RAC) and by the Committee for Socio-economic Analysis (SEAC) of the European Chemicals Agency<sup>2</sup> and sent to it pursuant to the third subparagraph of Article 64(5) of Regulation (EC) No 1907/2006.
- (4) RAC concluded in its opinion that it is not possible to determine a predicted no-effect concentration (PNEC) for the endocrine disrupting properties for the environment of 4-tert-OPnEO in accordance with Section 6.4 of Annex I to Regulation (EC) No 1907/2006 and that therefore 4-tert-OPnEO is a substance for which it is not possible to determine a threshold for the purposes of Article 60(3)(a) of that Regulation. As a result, paragraph 2 of Article 60 of Regulation (EC) No 1907/2006 does not apply to that substance and an authorisation may therefore only be granted with respect to that substance under paragraph 4 of that Article.

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<sup>1</sup> OJ L 396, 30.12.2006, p. 1.

<sup>2</sup> <https://echa.europa.eu/documents/10162/7e1f7cb2-8052-108e-80b6-0c33358eb23d>.

- (5) RAC noted that risk to the environment cannot be excluded for non-threshold substances, even at low exposure levels. Consequently, RAC takes the emissions of the substance as a proxy for the risk.
- (6) RAC concluded that the risk management measures and operational conditions described in the chemical safety report are appropriate and effective to limit the risk to the environment arising from the use of 4-tert-OPnEO. In particular, RAC noted that the applicants have demonstrated that releases to environmental compartments have been prevented or minimised as far as technically and practically possible due to the risk management measures and operational conditions in the exposure scenarios and that the exposure estimates provided by the applicants are appropriate. Having evaluated the RAC assessment, the Commission agrees with that conclusion.
- (7) In its opinion, SEAC concluded that it has no substantial reservations on the quantitative and the qualitative elements of the applicants' assessment of the socio-economic benefits and the risk to the environment associated with the continued use of 4-tert-OPnEO. Taking into account SEAC's conclusion, the lack of scientific knowledge at present to quantify or monetise the risk to the environment associated with the use of 4-tert-OPnEO, the estimated remaining emissions in the order of milligrams of the substance per year and RAC's conclusion that the likelihood of adverse effects can be considered negligible, the estimated benefits due to avoided costs of research and development and of market approval at minimum in the order of millions of euros over the entire review period, the estimated cost of avoiding the remaining releases of the substance in the order of billions of euros per kg, the qualitatively assessed additional socio-economic benefits of the continued use due to the availability of medication for respiratory syncytial virus and for non-chemotherapy cancer treatment, as well as any relevant distributional impact, the Commission concludes that the applicants have demonstrated that the socio-economic benefits of the continued use of 4-tert-OPnEO outweigh the risk to human health and the environment arising from that use.
- (8) A suitable alternative should be safer, available, and technically and economically feasible. Where suitable alternatives are available in the Union, but not technically or economically feasible for the applicant or its downstream users, an authorisation may be granted if the applicant for authorisation submits a substitution plan. In order to be considered technically feasible, an alternative to the substance should be capable of providing the level of technical performance functionally necessary for the use applied for.
- (9) In its opinion, SEAC concluded that there are no available alternative substances or technologies by the sunset date. The Commission, having evaluated SEAC's assessment and all relevant information available, acknowledges that, regarding the identified alternatives, the applicants would still need to perform extensive testing to verify whether they allow achieving the necessary purification without disrupting interactions within the drug proteins, which is required to obtain regulatory approvals for the medicinal products at stake. The Commission therefore considers that the identified alternative does not allow the functionality needed for the use applied for. Therefore, the Commission agrees with SEAC's conclusion and considers that the applicants have discharged their burden of proof in demonstrating the absence of suitable alternatives both in the Union and for the applicant.
- (10) Therefore, having regard to the conditions laid down in Article 60(4) of Regulation (EC) No 1907/2006, it is appropriate to authorise the use of 4-tert-OPnEO described in

the application, provided that the risk management measures and operational conditions described in the chemical safety report are fully applied.

- (11) The Commission has based its assessment on all relevant scientific evidence currently available, as assessed by RAC and SEAC, and after having carried out a detailed examination, based its conclusions on a sufficient amount of material and reliable information allowing it to conclude.
- (12) SEAC recommended in its opinion that the review period referred to in Article 60(9)(e) of Regulation (EC) No 1907/2006 should be set at 12 years. The Commission agrees with that recommendation, taking into account the relevant elements from RAC's and SEAC's assessments and, in particular, the conclusion that the releases of 4-tert-OPnEO to the environment have been prevented or minimised as far as technically and practically possible and that the likelihood of adverse effects can be considered negligible, the significant socio-economic benefits of the continued use of 4-tert-OPnEO, the consideration that, even if a technically feasible alternative were to be developed, it would not become economically feasible within shorter timelines, the time necessary for developing a next generation biologic treatment with a manufacturing process that does not use 4-tert-OPnEO as well as the time necessary for testing, clinical trials, and new regulatory approvals.
- (13) The language used to describe the risk management measures and operational conditions in the application for authorisation may be different from the official language of the Member State where the use takes place. Therefore, in order to facilitate supervision and enforcement of compliance with the authorisation, it is appropriate to require the authorisation holders to submit, upon request, a brief summary of those risk management measures and operational conditions to the competent authority of that Member State in an official language of that Member State.
- (14) This Decision does not affect the obligation of the authorisation holders to ensure that a use of a substance does not adversely affect human health or the environment, having regard to the principle set out in Article 1(3) of Regulation (EC) No 1907/2006. Furthermore, this Decision does not affect the obligation of the authorisation holders under Article 60(10) of that Regulation to ensure that the exposure is reduced to as low a level as is technically and practically possible or the obligation of the employer to eliminate or reduce to a minimum risks to the health and safety of workers at work involving hazardous chemical agents in accordance with Article 5(2) of Council Directive 98/24/EC<sup>3</sup>. This Decision does not affect the application of Union law in the area of health and safety at work, in particular Council Directives 89/391/EEC<sup>4</sup>, 92/85/EEC<sup>5</sup>, 94/33/EC<sup>6</sup>, and 98/24/EC, as well as any national binding occupational limit values which may be stricter than the applicable Union limit values.

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<sup>3</sup> Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11).

<sup>4</sup> Council Directive 89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work (OJ L 183, 29.6.1989, p. 1).

<sup>5</sup> Council Directive 92/85/EEC of 19 October 1992 on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding (tenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 348, 28.11.1992, p. 1).

<sup>6</sup> Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work (OJ L 216, 20.8.1994, p. 12).

- (15) This Decision does not affect any obligation to comply with any other regulatory requirements including emission limit values set in accordance with Directive 2008/50/EC of the European Parliament and of the Council<sup>7</sup> or Directive 2010/75/EU of the European Parliament and of the Council<sup>8</sup>, nor any obligation to comply with emission limit values set to achieve compliance with the environmental quality standards established by Member States in accordance with Directive 2000/60/EC of the European Parliament and of the Council<sup>9</sup> or the environmental quality standards established in Directive 2008/105/EC of the European Parliament and of the Council<sup>10</sup>. Compliance with the provisions of this Decision does not necessarily imply compliance with emission limit values or environmental quality standards under any other provisions of Union law, which may include further or more onerous requirements.
- (16) The measures provided for in this Decision are in accordance with the opinion of the Committee established by Article 133 of Regulation (EC) No 1907/2006,

HAS ADOPTED THIS DECISION:

*Article 1*

An authorisation is hereby granted in accordance with Article 60(4) of Regulation (EC) No 1907/2006 to the following persons for the following use of 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated:

Authorisation number	Authorisation holders	Authorised use
REACH/21/7/0	Boehringer Ingelheim Pharma GmbH & Co. KG	In a washing buffer to purify biological APIs (active pharmaceutical ingredients) during the production of Palivizumab and Moxetumomab pasudotox-tdfk
REACH/21/7/1	Boehringer Ingelheim RCV GmbH & Co KG	

The authorisation is granted subject to the risk management measures and operational conditions described in the chemical safety report<sup>11</sup>.

<sup>7</sup> Directive 2008/50/EC of the European Parliament and of the Council of 21 May 2008 on ambient air quality and cleaner air for Europe (OJ L 152, 11.6.2008, p. 1).

<sup>8</sup> Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control) (OJ L 334, 17.12.2010, p. 17).

<sup>9</sup> Directive 2000/60/EC of the European Parliament and of the Council of 23 October 2000 establishing a framework for Community action in the field of water policy (OJ L 327, 22.12.2000, p. 1).

<sup>10</sup> Directive 2008/105/EC of the European Parliament and of the Council of 16 December 2008 on environmental quality standards in the field of water policy, amending and subsequently repealing Council Directives 82/176/EEC, 83/513/EEC, 84/156/EEC, 84/491/EEC, 86/280/EEC and amending Directive 2000/60/EC of the European Parliament and of the Council (OJ L 348, 24.12.2008, p. 84).

<sup>11</sup> <https://ec.europa.eu/docsroom/documents/40383>

*Article 2*

1. The review period shall expire on 4 January 2033.
2. The authorisation shall cease to be valid on 4 January 2033 with respect to any holder of the authorisation who has not submitted the review report in accordance with Article 61(1) of Regulation (EC) No 1907/2006 by 4 July 2031.

*Article 3*

Upon request, the authorisation holders shall submit a brief summary of the applicable risk management measures and operational conditions described in the chemical safety report to the competent authority of the Member State where the authorised use takes place in an official language of that Member State.

*Article 4*

This Decision is addressed to:

1. Boehringer Ingelheim Pharma GmbH & Co. KG, Binger Strasse 173, 55216, Ingelheim am Rhein, Germany;
2. Boehringer Ingelheim RCV GmbH & Co KG, Dr.-Boehringer-Gasse 5-11, 1121 Wien, Austria.

Done at Brussels, 9.11.2021

*For the Commission*  
*Thierry BRETON*  
*Member of the Commission*