



## Product-types

In Annex V to the BPR the biocidal products are classified into 22 biocidal product-types, grouped in four main areas.

As a result of excluding biocidal products used as preservatives for food and feedstock from the scope, there is one less product type compared to the previous directive.

Number	Product-type	Description
<b>Main group 1: Disinfectants</b>		
These product types exclude cleaning products that are not intended to have a biocidal effect, including washing liquids, powders and similar products.		
PT 1	Human hygiene	Products in this group are biocidal products used for human hygiene purposes, applied on or in contact with human skin or scalps for the primary purpose of disinfecting the skin or scalp.
<b>PT 2</b>	Disinfectants and algaecides not intended for direct application to humans or animals	<p>Used for the disinfection of surfaces, materials, equipment and furniture which are not used for direct contact with food or feeding stuffs. Usage areas include, inter alia, swimming pools, aquariums, bathing and other waters; air conditioning systems; and walls and floors in private, public, and industrial areas and in other areas for professional activities.</p> <p>Used for disinfection of air, water not used for human or animal consumption, chemical toilets, waste water, hospital waste and soil.</p> <p>Used as algaecides for treatment of swimming pools, aquariums and other waters and for remedial treatment of construction materials.</p> <p>Used to be incorporated in textiles, tissues, masks, paints and other articles or materials with the purpose of producing treated articles with disinfecting properties.</p>
PT 3	Veterinary hygiene	<p>Used for veterinary hygiene purposes such as disinfectants, disinfecting soaps, oral or corporal hygiene products or with anti-microbial function.</p> <p>Used to disinfect the materials and surfaces associated with the housing or transportation of animals.</p>
PT 4	Food and feed area	<p>Used for the disinfection of equipment, containers, consumption utensils, surfaces or pipework associated with the production, transport, storage or consumption of food or feed (including drinking water) for humans and animals.</p> <p>Used to impregnate materials which may enter into contact with food.</p>
PT 5	Drinking water	Used for the disinfection of drinking water for both humans and animals.

Number	Product-type	Description
<b>Main group 2: Preservatives</b>		
Unless otherwise stated these product-types include only products to prevent microbial and algal development.		
PT 6	Preservatives for products during storage	<p>Used for the preservation of manufactured products, other than foodstuffs, feeding stuffs, cosmetics or medicinal products or medical devices by the control of microbial deterioration to ensure their shelf life.</p> <p>Used as preservatives for the storage or use of rodenticide, insecticide or other baits.</p>

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## Information on biocides

[Biocidal Active Substances](#)[Biocidal Products](#)[List of active substances and suppliers](#)

The basic principle in the Biocidal Products Regulation ((EU) No 528/2012 (BPR)) is that a biocidal product must be authorised before it can be made available on the market or used in the European Economic Area (EEA) and Switzerland. This takes place in two consecutive steps. First, the active substance is evaluated and, provided the criteria are fulfilled, is then approved in a specified product-type. The second step is the authorisation of each product consisting of, containing or generating the approved active substance(s). This page concerns the first step.

The data on **this page is active substance/product-type centric**. This is reflected in all the search filters and results of the searches. Subsequently the table below displays information per active substance/product-type combination. For efficiency reasons, the term active substance is used interchangeable with the term active substance/product-type combination.

The database includes active substances in the Review Programme, active substances not in the Review Programme as well as substances in Annex I of the BPR. More information on the categorisation of active substances can be read in *Approval of active substances* page.

For further information on searches you can perform and how the information is presented please read on.

### How to search

Some substances, currently listed as being 'new actives' are, in fact, existing substances for product-types not included in the review programme. We are working on removing this inaccuracy. An excel file with the correct status of the concerned substance/product-type combinations we have identified is provided here.

I have read and I accept the legal notice .








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Due to a technical problem, which is being fixed, certain substance/product-type combinations are currently displayed as "Cancelled application" or "Withdrawn application".

[See the correct status for those substance-product-type combinations \[XLSX\]](#)

### FURTHER INFORMATION

[List of approved active substances](#)[Approval of active substances](#)[Understanding the BPR Regulation](#)[Q&A on Biocidal Products Regulation](#)[Give us your feedback](#)[BPC opinions on approval of active substances](#)[Public consultation on potential candidates for substitution](#)[See a problem or have feedback?](#)[Search](#)[Summary](#)[View all Active Substances](#)

Substance name	EC /List no	CAS no	Product-type	Approval start date	Approval end date	Evaluating competent authority	Approval/Assessment status		Related authorised biocidal products
polyhexamethylene biguanide hydrochloride with a mean number-average molecular weight (Mn) of 1415 and a mean polydispersity (PDI) of 4.7 (PHMB(1415; 4.7))	-	1802181-67-4	 PT01 .....			France	Not approved		
polyhexamethylene biguanide hydrochloride with a mean number-average molecular weight (Mn) of 1415 and a mean polydispersity (PDI) of 4.7 (PHMB(1415; 4.7))	-	1802181-67-4	 PT02 .....	01/11/2019	31/10/2026	France	Approved		
polyhexamethylene biguanide hydrochloride with a mean number-average molecular weight (Mn) of 1415 and a mean polydispersity (PDI) of 4.7 (PHMB(1415; 4.7))	-	1802181-67-4	 PT03 .....			France	No longer supported		
polyhexamethylene biguanide hydrochloride with a mean number-average molecular weight (Mn) of 1415 and a mean polydispersity (PDI) of 4.7 (PHMB(1415; 4.7))	-	1802181-67-4	 PT04 .....	01/11/2019	31/10/2026	France	Approved		
polyhexamethylene biguanide hydrochloride with a mean number-average molecular weight (Mn) of 1415 and a mean polydispersity (PDI) of 4.7 (PHMB(1415; 4.7))	-	1802181-67-4	 PT05 .....			France	Not approved		
polyhexamethylene biguanide hydrochloride with a mean number-average molecular weight (Mn) of 1415 and a mean polydispersity (PDI) of 4.7 (PHMB(1415; 4.7))	-	1802181-67-4	 PT06 .....			France	Not approved		
polyhexamethylene biguanide hydrochloride with a mean number-average molecular weight (Mn) of 1415 and a mean polydispersity (PDI) of 4.7 (PHMB(1415; 4.7))	-	1802181-67-4	 PT09 .....			France	No longer supported		

Substance name	EC /List no	CAS no	Product-type	Approval start date	Approval end date	Evaluating competent authority	Approval/Assessment status	Related authorised biocidal products
polyhexamethylene biguanide hydrochloride with a mean number-average molecular weight (Mn) of 1415 and a mean polydispersity (PDI) of 4.7 (PHMB(1415; 4.7))	-	1802181-67-4	 PT11			France	No longer supported	

Export search results to:

XLS

CSV

XML

Tagged as: **Active substance approval**

(click the tag to search for relevant content)

**LEGISLATION**

REACH  
CLP  
BPR  
PIC  
CAD/CMD (OELs)  
WFD  
POPs

**CONSULTATIONS**

Draft recommendation for inclusion in the Authorisation List and consultation

Applications for authorisation consultations

Consultations on new scientific evidence

Testing proposals consultation

Harmonised classification and labelling consultations

Submitted restrictions under consideration

ECHA Executive Director's requests related to the CLH process

Current calls for comments and evidence

Consultation on potential candidates for substitution

Consultation on derogation to the exclusion criteria

ECHA's Executive Director Requests to the Committees

Harmonised classification and labelling targeted consultations

Consultation on a draft recommendation for amendment of Authorisation List entries

Consultations in the authorisation process

Substances of very high concern identification

Occupational exposure limits - Call for comments and evidence

**INFORMATION ON CHEMICALS**

Registered substances

Registry of restriction intentions until outcome

Registry of SVHC intentions until outcome

Registry of CLH intentions until outcome

ECHA's current activities on restrictions

ECHA's completed activities on restriction

Annex III inventory

Pre-registered substances

EC Inventory

Dossier Evaluation status

PACT

Endocrine disruptor assessment list

PBT assessment list

Substance evaluation - CoRAP

RMOA list

Information on Candidate List substances in articles table

REACH registration statistics

C&L Inventory

Substances restricted under REACH

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Biocidal Products

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**SUPPORT**

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Practical examples of chemical safety reports

Substance identification

Authorisation

Restriction

Submission of CLH dossiers

Socio-economic analysis in REACH

QSAR Toolbox

How to improve your dossier

Mixture classification

UK withdrawal from the EU

Recommendations to registrants

Occupational exposure limits - Previous calls for comments and evidence	Chemicals subject to PIC Transitional Measures
Occupational exposure limits - Consultations on OEL recommendation	Information from the Existing Substances Regulation (ESR)
Derogations for the protection of cultural heritage	PBT/vPvB assessments under the previous EU chemicals legislation
Proposals for new POPs	Candidate List Submitted recommendations Adopted opinions and previous consultations on applications for authorisation Authorisation List Adopted opinions on restriction proposals Mapping exercise - Plastic additives initiative Occupational exposure limits substance evaluations List of substances subject to POPs Regulation List of substances proposed as POPs EUCLEF

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## **Biocidal Products Committee (BPC)**

Opinion on the application for approval of the active substance:

**PHMB (1415; 4.7)**

**Polyhexamethylene biguanide hydrochloride with a mean number-average molecular weight (Mn) of 1415 and a mean polydispersity (PDI) of 4.7)**

**Product type: 2**

ECHA/BPC/171/2017

Adopted

4 October 2017

## Opinion of the Biocidal Products Committee

### on the application for approval of the active substance PHMB (1415; 4.7) for product type PT2

In accordance with Article 89(1) of Regulation (EU) No 528/2012 of the European Parliament and of the Council 22 May 2012 concerning the making available on the market and use of biocidal products (BPR), the Biocidal Products Committee (BPC) has adopted this opinion on the approval in product type 2 of the following active substance:

<b>Common name:</b>	<b>PHMB (1415; 4.7) (polyhexamethylene biguanide hydrochloride with a mean number-average molecular weight (Mn) of 1415 and a mean polydispersity (PDI) of 4.7)</b>
<b>Chemical name:</b>	<b>CoPoly(bisiminoimidocarbonyl, hexamethylene hydrochloride), (iminoimidocarbonyl, hexamethylene hydrochloride)</b>
<b>EC No.:</b>	<b>None</b>
<b>CAS No.:</b>	<b>32289-58-0 and 1802181-67-4</b>
<b>Existing active substance</b>	

This document presents the opinion adopted by the BPC, having regard to the conclusions of the evaluating Competent Authority. The assessment report, as a supporting document to the opinion, contains the detailed grounds for the opinion.

### Process for the adoption of BPC opinions

Following the submission of an application by Laboratoire PAREVA on July 2007, the evaluating Competent Authority France submitted an assessment report and the conclusions of its evaluation to the European Chemicals Agency on December 2016. In order to review the assessment report and the conclusions of the evaluating Competent Authority, the Agency organised consultations via the BPC (BPC-22) and its Working Groups (WG III 2017). Revisions agreed upon were presented and the assessment report and the conclusions were amended accordingly.

Information on the fulfilment of the conditions for considering the active substance as a candidate for substitution was made publicly available at <https://echa.europa.eu/fr/addressing-chemicals-of-concern/biocidal-products-regulation/potential-candidates-for-substitution-previous-consultations/-/substance-rev/15711/term> on 12 February 2017, in accordance with the requirements of Article 10(3) of Regulation (EU) No 528/2012. Interested third parties were invited to submit relevant information by 10 April 2017.

## Adoption of the BPC opinion

### Rapporteur: France

The BPC opinion on the approval of the active substance PHMB (1415; 4.7) (polyhexamethylene biguanide hydrochloride with a mean number-average molecular weight (Mn) of 1415 and a mean polydispersity (PDI) of 4.7) in product type 2 was adopted on 4 October 2017.

The BPC opinion takes into account the comments of interested third parties provided in accordance with Article 10(3) of BPR.

The BPC opinion was adopted by consensus. The opinion is published on the ECHA webpage at: <http://echa.europa.eu/regulations/biocidal-products-regulation/approval-of-active-substances/bpc-opinions-on-active-substance-approval>.