

Connecting**Chemistry**



BIOCIDES



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ALL SUBSTANCES WITH A BIOCIDAL EFFECT THAT ARE SUITABLE TO FIGHT MICROORGANISMS FALL UNDER THE BIOZIDE REGULATION.

These include classical substances such as glutaraldehyde, but industrial chemicals are also used because of their microbial effect, such as:

- ethanol
- isopropanol
- n-propanol
- hydrogen peroxide
- sodium hypochlorite
- formic acid
- formaldehyde

For these substances, dossiers must be submitted to the competent authorities; in Germany, for example, to the Federal Office for Occupational Safety and Health (BAuA) in Dortmund.

Approval applications also contain, in addition to substance-related, toxicological and ecotoxicological data, similar to REACH, information on the permitted applications.

All companies that are or were involved in the compilation are published in the Article 95 list and are referred to as a registered source. The list details which company has applied for which drug and product type. The list is published on the ECHA website and is updated there monthly.

BIOCIDAL PRODUCTS

As a rule, the active substances are not used as pure substances, but in formulations, for example ethanol in hand disinfectants. These formulations are referred to as biocidal products. They must be registered with the BAuA according to the registration decree in Germany and have a registration number, the so-called N-number (N-xxxxx). The N number and information such as application instructions, correct dosage or best-before date must be placed on the sales container.

Brenntag also carries pure substances that can be used directly as a finished product. These include peracetic acid, sodium bicarbonate for swimming pools or chlorine dioxide in the form of Clorious2. These products must also be labeled accordingly.

As of 09.01.2015 these products may only be formulated with active ingredients that come from suppliers who are on the Article 95 list, and therefore come from registered sources. Our customers who make biocidal products need to be sure that they only buy the raw materials that come from these suppliers. This may require written confirmation.

Unlike REACH, formulators must prepare an authorization dossier for their biocidal products and submit it to the national authorities.

The submission phase starts with the listing of the respective active substance on the Union list. In the product dossiers, data must be compiled that relate to the active substance (by purchasing a letter of access), to demonstrate efficacy through appropriate studies and to carry out a risk assessment

BRENTAG BIOCIDES PORTFOLIO

Active substance	Active substance name / Biocide Productname/ Brand	Active Substance [PT]	Biocidal Product [PT]	Dossier Deadline
Ethanol	Ethanol BIOCIDES , Ethanol 99 BIOCIDES, Ethanol 96 BIOCIDES, Ethanol 70 BIOCIDES	1, 2, 4		2021
2-Propanol / Isopropanol	Isopropanol BIOCIDES, Isopropanol 70 BIOCIDES, Isopropylalkohol 70 % , Isopropanol 65/35	1, 2, 4	1, 2, 4*	30.06.16
1-Propanol / n-Propanol	n-Propanol BIOCIDES	1, 2, 4		01.05.19
Hydrogenperoxide	Hyprox ®AS, WAPO ® 35/50, CLARMARIN ® 350 / 500, INTEROX ® , OXTERIL ® 350/500, DES-H D350/500	1-6, 11, 12	2, 3, 4, 5, 6*	01.02.2017 / 2020
Peracetic Acid	Biogal PES 5/23 und Biogal PES 15/23	1,2,3,4,5,6, 11, 12		01.10.2017; 01.07.2018
Formic Acid		2, 3, 4, 5, 6		
L(+) Lactic Acid	PURAC ® Sanilac	1, 2, 4, 6		01.07.2017; 01.05.2019
Sorbic Acid		6		2019
Potassium Sorbate		6		2019
Sodium Benzoate	Kalaguard ® SB	6	6	01.04.2018 (EU 01.08.2018)
Sodium Hypochlorite	Natronbleichlaugung BIOCIDES, Biogal Protect, Biogal Desinfect, Biogal Pool, Pool Clean, Pool Protect, Javelwasser , Desinfektant Javel, Aqua-Net Chlor, Hypochloritlaugung Biozid	1-5, 11, 12	1-5*	01.01.19
Calcium Hypochlorite	Calciumhypochlorite gran., Aqua-Net cal hypo, HTH	2, 5	2,5*	01.01.19
Chlorine		2, 5		01.01.19
Chlorine Dioxide	Clorius2	2, 3, 4, 5, 11, 12		
Sodium Chlorite (in-situ Chlordioxid generation) / Sodium Chlorid (in-situ Chlor generation)	Sodium Chlorite 25% BIOCIDES, 7,5 % BIOCIDES, Suso-Zon Laugung BIOCIDES	2, 3, 4, 5, 11, 12		
Sodium dichloroisocyanuric acid / SDIC		1,5		
Symchlosene / TCCA		2, 3, 4, 5, 11, 12		2021
Glutaraldehyde	Protectol ® GA 24, Protectol ® GA 50, Brenntag GA 24, Brenntag GA 50	2, 3, 4, 6, 11, 12	11, 12*	01.10.16
Formaldehyde		3		
CMIT/MIT	Biogal CMI 1.5, Biogal CMI 1.5 +, Biogal CMI 1.5 M	2, 4, 6, 11, 12, 13	2, 4, 6, 11, 12, 13*	01.07.17
MIT	Biogal MIT 10 / Biogal MIT 50	6, 11, 13		01.12.2018; 01.10.2016
BIT	Biogal BIT 10 / Biogal BIT 20	6, 12, 13		
OIT	Biogal O 8 / Biogal O 45	6, 7, 9, 11, 13		
Bronopol	Biogal BNP 20	2, 6, 9, 11, 12		
DBNPA	Biogal DBNPA 20	2, 4, 6, 11, 12, 13		01.06.21
IPBC	(Biogal OI; OIT+IPBC)	6, 7, 8, 9, 10, 13	6	01.07.2015; 01.07.2010; 01.12.2016
Methylbisoxazolidine / MBO	Grotamar 71	2, 6, 11, 12, 13		01.07.19
Phenoxyethanol	Phenoxyethanol P 10 / 2-Phenoxyethanol			
Chlorhexidine Digluconate / CHDG		1, 2, 3		2021/22
Ampholyt 20	Rewocid WK 30®, Tegotain AFB®	2, 3, 4	(2, 3, 4)	01.01.18
Copper sulphate pentahydrate		2		01.07.15
Alkyldimethylbenzyl ammoniumchlorid ADBAC		1, 2, 3, 4, 10, 11, 12, 22		2022
Alkyldimethylbenzyl ammoniumchlorid ADBAC/BKC		1, 2, 3, 4, 8, 10, 11, 12, 22		2022
Didedyldimethyl ammoniumchlorid DDAC		1, 2, 3, 4, 6, 10, 11, 12		2022

* product registrations pending

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BRENNTAG LIKES TO SUPPORT YOU - REGARDING THE BIOCIDAL REGULATION

- It ensures that all substances used as active ingredients are sourced from registered sources so that our customers can continue to buy in the confidence that their biocidal products will remain marketable.
- Brenntag lists the products ethanol and isopropanol on the Article 95 list.
- For customer mixes intended for biocidal applications, it will be guaranteed that the active ingredients come from registered sources.
- Register your own biocidal products with the BAuA and ensure that the active substance comes from a registered source. Once the active substance appears on the Union list, the dossier must be drawn up without undue delay.
- You can obtain a ready-to-use biocidal product from us.
- Instead of having your own approval, you can get access to a product dossier (onboarding with your proper name / joining a product family or your own derived approval of the same biocidal product family).
- Brenntag will send you a letter of access to the active substance dossier.
- We conduct the communication between suppliers and customers.
- The Brenntag product Clorious2 is available as a finished product in barrels or can be produced in situ using a generator.

Our team is at your disposal for any questions or further information and we hope to support you with our range of products and services.

For users: Our experts will find the right biocide product for every requirement.

For resellers and formulators: In direct dialogue our experts determine your requirements and so help you stay marketable with your biocidal products.

Contact us

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