Virucidal properties

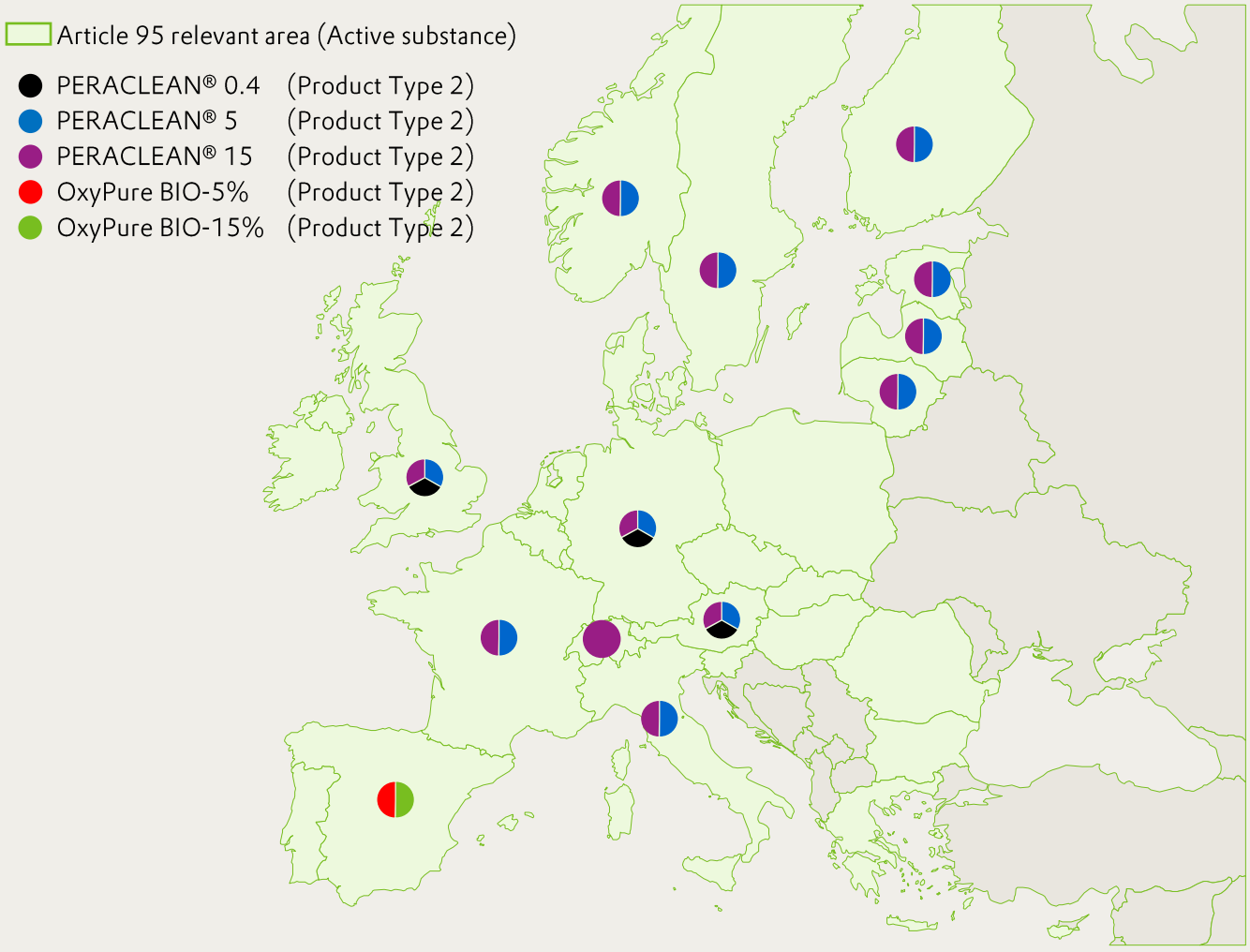
Peracetic Acid

Peracetic Acid (PAA) is effective against a broad range of both enveloped and non-enveloped viruses such as ***Herpes simplex virus***, ***Norovirus***, ***Rhinovirus***, ***Adenovirus***, ***Poliovirus*** and ***bovine Enterovirus***. It has been tested for a full virucidal acitivity (complete virucidal claim after the BPR, Regulation (EU) 528/2012) according to both EN 14475 and EN 14476. Peracetic acid is included in the newly published ECHA's list of active substances for which virucidal efficacy has been demonstrated.

US Environmental Protection Agency has included PERACLEAN® 15 (PAA) into the list for "Products with Emerging Viral Pathogens and Human Coronavirus claims for use against SARS-CoV-2". PERACLEAN® 15 was successfully tested and registered by the US EPA (Reg. Nr. 54289-4) to deactivate human ***Coronavirus*** strain 229e. The diluted product (1:150 v/v) was proven to yield a LOG 4 reduction (99,99%) of human ***Coronavirus*** after a contact time of 60 seconds at 22°C. Unlike many other disinfectants in the market place such as quaternary ammonium compounds and chlorine, PERACLEAN® 15 is a very fast acting biocide that quickly decomposes into acetic acid, water, and oxygen.

Evonik is a supplier of high-quality biocidal products as well as active substances for service providers and professional users. Evonik's manufacturing facilities for active substance "peracetic acid" are Article 95 listed. The material is available the whole EMEA Region. In selected European countries, Evonik also offers biocidal products, registered for the PT2 use.

For more detailed information please visit our homepage or contact us.



EVONIK Leading Beyond Chemistry

Field of use:

Indoor use. Disinfection of non-porous hard surfaces (walls, floors, equipment and small objects) in hospitals as well as other healthcare facilities, industry, laboratories and public buildings.

Application methods:

Wiping, spaying and fogging.

Instructions for use:

Peracetic acid disinfectants are supplied as a concentrates or ready-to-use products. Concentrates have to be diluted with cold water accordingly. Pre-clean surfaces. Apply solution by a pre-soaked wipe, by a low-pressure sprayer (max. 2 bar) or by a nebulizer. Dry surfaces with a clean wipe or allow to air dry. For large surfaces use special equipment to dispense disinfectant.

Special notes:

Refer to a specific service provider information on exact application instructions. Not for disinfection of medical devices. Material compatibility was tested for stainless steel surfaces only. If surfaces from other materials (e.g. Plastic, Paper, Textile, Wood, etc) are to be treated, material compatibility must be tested prior to disinfection. Peracetic acid products have pungent odor. Refer to the material safety and data sheet for more details.

General virucidal claim

Virucide according to the provisions of the BPR (Regulation (EU) 528/2012) for use in hospitals and health care facilities. In-use concentration (PAA, as active substance) – 4.275 ppm (w/w), contact time 5 min, clean conditions, temperature 20°C

Virucidal efficacy against single species

Test guideline: EN 14476
Organic load: 0,03 % bovine albumine
Temperature: 20 °C

Test organism	Contact time (Minutes)	Active Substance, ppm (w/w)	Reduction, log
Adenovirus type 5 strain Adenoid 75	5	140	>4
Murine Norovirus	5	685	>4
Poliovirus type 1 strain LSc-2ab	5	4.275	>4

Test guideline: ASTM E1053-97
Organic load: 5% fetal bovine serum
Temperature: 22 °C

Test organism	Contact time (Minutes)	Active Substance, ppm (w/w)	Reduction, log
Coronavirus strain 229e	1	1.135	>4

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