

Disinfectant with a broad application spectrum

PERACLEAN® 0.4 is an effective disinfectant with a broad application spectrum, which is characterized by excellent bactericidal, fungicidal, virucidal and sporicidal effectiveness and used for disinfection of medical instruments, equipment or surfaces. Usually the product is applied without further dilution. For disinfection of pre-cleaned surfaces or equipment, the product is applied via a low-pressure sprayer. Pre-cleaned instruments are usually disinfected in an immersion bath, filled with PERACLEAN® 0.4. The exposure time must always be correlated on the basis of microbiological tests for a specific application and verified by corresponding control procedures. After disinfection procedure the treated surfaces can be rinsed with pure water or allowed to air dry, to remove all residues. PERACLEAN® 0.4 decomposes into the environmentally harmless residues water, oxygen and acetic acid after disinfection.

PACKAGING

PERACLEAN® 0.4 is available in 10kg / 30 kg plastic canisters, 220 kg plastic drums and 1000 kg plastic IBC-containers.

STORAGE

PERACLEAN® 0.4 has to be stored in original containers in a cooled, vented and protected from the direct sun irradiation area. It is important to keep PERACLEAN® 0.4 protected from all types of contamination and away from combustible/oxidizable materials. When stored properly in the originally sealed containers, the shelf life of PERACLEAN® 0.4 is 2 years from the date of production.

PHYSICAL PROPERTIES

PERACLEAN® 0.4 is a colorless clear liquid with pungent specific odor. PERACLEAN® 0.4 is miscible with water in all proportions.

| | |
|--------------------|------|
| Freezing point, °C | - 15 |
| Density 20°C, g/ml | 1,03 |

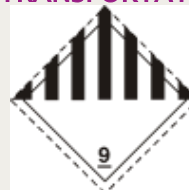
CLASSIFICATION

| | |
|-------------|-----------------------|
| CAS No.: | 79-21-0 |
| EINECS-No.: | 201-186-6 |
| REACH-No.: | 01-2119531330-56-xxxx |

HAZARDS

PERACLEAN® 0.4 is classified as dangerous. Improper handling may result in rapid decomposition. For detailed information to labeling, transport regulations, first aid and toxicology information refer to material safety data sheet, visit our homepage www.active-oxygens.com or contact us

– USE BIOCIDES SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE. –

GHS – LABELING**TRANSPORTATION**

STANDARD SPECIFICATION(*)

| Parameter | Value | Unit | Method |
|-------------------------------|-----------|------|----------|
| Peracetic acid content, (w/w) | 0,3 -0,5 | g/hg | AIAOPM10 |
| H2O2-Content, (w/w) | 6,7 – 7,2 | g/hg | AIAOPM11 |

(*) The specification is valid for product distribution in Europe and Middle East.

TEST METHODS:

Two step titration with cerium (IV) sulfate and sodium thiosulphate can be utilized for the quantitative content determination of the peracetic acid and hydrogen peroxide in PERACLEAN® 0.4. Through titration of a PERACLEAN® 0.4 sample with cerium (IV) sulfate the concentration of hydrogen peroxide is determined. In the second step the titrated sample is treated with sodium thiosulphate to measure the concentration of peracetic acid. Qualitative determination of the peracetic acid can be performed with special test strips.

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.

INSTRUCTIONS FOR USE:

Pre-clean surfaces. Apply solution by a pre-soaked wipe or by a low-pressure sprayer (max. 2 bar). Dry surfaces with a clean wipe or allow to air dry. For large surfaces use special equipment to dispense disinfectant. Application methods: Wiping and spraying. For a general disinfection in hospitals or health care facilities (virucidal claim according to the BPR (Regulation (EU) 528/2012) use undiluted product and insure contact time of at least 5 min at ambient temperature ($\geq 20^{\circ}\text{C}$). For a treatment specifically against Coronavirus (tested with Coronavirus strain 229e) dilute 300 ml of the product with 700ml water (at least drinking water quality) and treat for at least 1 min at ambient temperature ($\geq 20^{\circ}\text{C}$). Don't store diluted product. Use it within 1-2 hours after dilution. Ensure good ventilation.

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.

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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