

Disinfectant with a broad application spectrum

PERACLEAN® 5 is an effective disinfectant with a broad application spectrum, which is characterized by excellent activity against bacteria, bacterial spores, fungi and viruses. It is developed for disinfection of instruments, equipment or surfaces in both medical and industrial & institutional areas as well as in the food industry. For disinfection medical equipment the product is applied via a low-pressure sprayer or a pre-soaked wipe onto pre-cleaned surfaces. Small medical instruments, after a cleaning step, are usually treated by an immersion into a disinfecting bath. 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. In the food industry PERACLEAN® 5 is commonly used in CIP- or SIP-installations (cleaning or sterilization in place). Cleaning or disinfection is done automatically following a fixed program. The cleaning agents and disinfectants are used several times and stored in the dedicated tanks. After disinfection procedure the treated surfaces have to be rinsed with pure water to remove all residues. PERACLEAN® 5 decomposes into the environmentally harmless residues water, oxygen and acetic acid after disinfection.

PACKAGING

PERACLEAN® 5 is available in 30 kg plastic canisters, 220 kg plastic drums, 1100 kg plastic IBC-containers.

STORAGE

PERACLEAN® 5 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® 5 protected from all types of contamination and away from of combustible/oxidizable materials. When stored properly in the originally sealed containers, the shelf life PERACLEAN® 5 is at least one year long from the date of shipment.

PHYSICAL PROPERTIES

PERACLEAN® 5 is a colorless clear liquid with pungent specific odor. PERACLEAN® 5 is miscible with water in all proportions.

Freezing point, °C	- 28
Boiling point, °C	>60 with decomposition
Ignition point, °C	> 96 (after DIN 51584)
Density 20°C, g/ml	1,12

CLASSIFICATION

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

GHS - LABELING



TRANSPORTATION



HAZARDS

PERACLEAN® 5 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 <http://active-oxygens.evonik.com> or contact us.

STANDARD SPECIFICATION (*)

Parameter	Value	Unit	Method
Peracetic acid content, (w/w)	4,0 – 5,4	g/hg	AIAOPM10
H2O2-Content, (w/w)	26,0 – 27,0	g/hg	AIAOPM11

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

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

TEST METHODS

Two step titrations with cerium (IV) sulfate and sodium thiosulphate can be utilized for the quantitative content determination of the peracetic acid and hydrogen peroxide in PERACLEAN® 5. Through titration of a PERACLEAN® 5 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.

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