PERACLEAN® 15

Disinfectant with a broad application spectrum

PERACLEAN® 15 is a disinfectant with a broad application spectrum, which is used in particular in the food and beverage industry. In the food industry disinfectants containing peracetic acid are part of the disinfection of installations, tanks, pipelines and equipment as well as for packaging material. The surfaces to be treated must be cleaned and rinsed as usual, followed by disinfection with PERACLEAN® 15, either by stagnant or circulated disinfection. Peracetic acid 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. The control of the dosage is realized by frequent analysis of the peracetic acid content. After disinfection procedure the treated surfaces have to be rinsed with pure water to remove all residues. Use special test strips for qualitative determination of peracetic acid. PERACLEAN® 15 decomposes into the environmentally harmless residues water, oxygen and acetic acid after disinfection.

For detailed information please visit our home page in Internet www.evonik.com/peracetic acid or contact us.

Standard specification(*)

Parameter	Value	Unit	Method
Peracetic acid content, (w/w)	≥ 14,0	%	AIAOPM10
H2O2-Content, (w/w)	≥ 21,0	%	AIAOPM11

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

Physical properties

PERACLEAN® 15 is a colorless clear liquid with pungent specific odor. PERACLEAN® 15 is miscible with water in all proportions.

Freezing point, °C	- 50
Boiling point, °C	>60 with decomposition
Ignition point, °C	> 79 (after ISO 2719)
Density 20°C, g/ml	1,15

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Packaging
PERACLEAN® 15 is available in 30 kg plastic canisters, 220 kg plastic drums, 1100 kg plastic IBC-containers.

Storage
PERACLEAN® 15 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® 15 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® 15 is at least one year long from the date of shipment. For more detailed information please refer to material safety data sheet, our home page www.evonik.com/peracetic acid or contact us.

Safe handling
Wear eye and hand protection. The experienced specialists in our application technology department are at your disposal for further information. We also supply the corresponding dosing installation for safe and correct dispensing. For more detailed information refer to material safety data sheet or contact us.

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® 15. Through titration of a PERACLEAN® 15 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.

Hazards
PERACLEAN® 15 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. Use biocides safely. Always read the label and product information before use.

Transportation

UN Code	3109
ADR/RID Class	5.2
Warning panel, Orange	539/3109

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