



PERACETIC ACID

PERSAN®

DESCRIPTION

Peracetic acid is a strong oxidizing agent with excellent disinfectant and bleaching properties. Its action is based on singlet oxygen, that is released during chemical breakdown. Products of the breakdown are acetic acid, water, and oxygen.

Peracetic acid is effective even at very low concentrations. It does not foam, it does not function selectively, and resistance in many cases are not observed. It can be mixed with water in all proportions and rinses free of residue.

The efficiency of PERSAN® has been demonstrated in tests on selected micro-organisms.

Its use is based on the working of active oxygen, that is released upon the reaction of decomposition of peracetic

acid, which oxidizes organic and inorganic compounds. The market products are stabilized aqueous solutions of the concentrations up to 15 % peracetic acid.

Because of these properties, it is established in numerous areas as an agent for bleaching and various oxidations. It successfully replaces ecologically less acceptable products.

All grades are very pure and have excellent stability under normal storage condition in full year lose less than 1 % of their concentration.

PERSAN®

Belinka Perkemija manufactures a wide range of Peracetic acid grades:

Peracetic acid, 15 %(w/w)

Peracetic acid is used in chemical synthesis, paper chemicals, dyes and textile treatment products, laboratory chemicals, washing and cleaning products as oxidation of organic compounds. Peracetic acid is also used in other industrial applications as processing aid, formulation of mixtures and manufacturing of the substance. Other releases of this substance is likely to occur from: indoor use (e.g. machine wash liquids/detergents, automotive care products, paints and coating or adhesives, fragrances and air fresheners) and indoor use in close systems with minimal release (e.g. cooling liquids in refrigerators, oil-based electric heaters).

Biocide – PERSAN® S5 and PERSAN® S15

Belinka Perkemija produces peracetic acid as biocide under brand name PERSAN®. PERSAN® can be used in various product type applications (food & beverage, veterinary, ecology, etc.).

Active substances of PERSAN® are stabilized water solution, approximately 5 or 15 % of peracetic acid and 20 – 30 % of hydrogen peroxide. PERSAN® has been produced and registered under the European biocidal regulation.

POSSIBLE APPLICATIONS OF PERSAN®

PT 2	Disinfection of sewage/waste water (including municipal waste water), disinfection of surfaces in industrial, public and health care area, CIP (cleaning-in-place) in the pharmaceutical and cosmetic industry, laundry disinfection in closed washing machine
PT 3	Disinfection of animal houses by low-pressure manual spraying, foaming and fogging, disinfection of boots in footbaths in animal production, disinfection of animal feet (hoof disinfection), disinfection of equipment by dipping
PT 4	Automated spraying in closed system (aseptic filling of PET (polyethylene terephthalate) bottles, sterilization of crown corks, cheese molds and food crates in the beverage/food industry), disinfection of equipment in the food and beverage industry by dipping and immersion, CIP and disinfection of ion-exchangers in the food and beverage industry, disinfection of surfaces and equipment by low pressure manual spraying and wiping, disinfection of surfaces by foaming, disinfection of milking parlors
PT 12	Slimicides



IDENTIFICATION OF THE PRODUCT

Trade name: PERSAN, PERACETIC ACID, 5 or 15 w/w %
Substance name: PERACETIC ACID
Molecular formula: CH₃COOOH
Molecular Mass: 76,05 g/mol
CAS No.: 79-21-0
EINECS No.: 201-186-8

PACKAGING

Peracetic acid and PERSAN® is delivered in the following packaging units:

- 1 l PE bottle
- 20 l PE drums
- 30 l plastic drums
- 200 l plastic drums
- 1.000 l IBC containers
- in bulk



MORE INFORMATION

There are more data available from Belinka Perkemija TDS, specifications and advice regarding products.

Additional information relating to dangerous and physical-chemical properties, and other information that affect the safe use and handling of the product, can be found on the safety data sheet.

For additional information, please contact our Technical Service Team, phone +386 1 5886 330; e-mail: perkemija@belinka.si.



belinka perkemija

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