



HYDROGEN PEROXIDE FOR ASEPTIC PACKAGING

BELOX[®] 35

DESCRIPTION

Belinka Perkemija successfully follows market requirements in the area of disinfection, especially in the food industry. According to it we developed a special grade of Hydrogen Peroxide for aseptic packaging under the trademark BELOX[®], which in quality corresponds to the well-known equipment producers in the world.

It can be used in various applications in the food & beverage industry for packing material disinfection in dairies, breweries, alcohol free drinks.

The effect of BELOX[®] is based on active oxygen, which is released during the decomposition reaction of hydrogen peroxide. The decomposition products are oxygen and water. It can be used in various product type applications and can

successfully replace ecologically less acceptable products. The efficacy of BELOX[®] has been demonstrated with tests on selected microorganisms. Due to specific activity onto a very broad spectrum of microorganisms in many cases they do not cause their adaptations.

Active substance of BELOX[®] is stabilized water solution of 35 % very pure hydrogen peroxide. It has excellent stability under normal storage conditions. In a year it loses less than 1 % of its activity.

Quality of BELOX[®] meets with following standards:

- FCC – American Food Chemical Codex
- FDA – US food and Drug Administration
- EU Ph. European Pharmacopeia

BELOX[®] 35

For aseptic packaging applications, to protect food and beverages, Belinka Perkemija has developed the following types of hydrogen peroxide:

- BELOX[®] 35 S (Spray)
- BELOX[®] 35 B (Bath)
- BELOX[®] 35 SB (Spray, Bath)

	BELOX [®] 35 S	BELOX [®] 35 B	BELOX [®] 35 SB
Spray	•		•
Vapor type	•		•
Bath type		•	•

* according to the type of machine used please consult with our Technical Service Team

BELOX[®] S

is developed for spray and vaporization applications due to its stabilizers. Hydrogen peroxide needs to leave as little deposits as possible in the heating system and shouldn't block the spraying nozzles. Our BELOX[®] S has a low content of non-vaporous substances and that's the reason why it is the most suitable for such techniques of use. Spray and vaporization technique is used mainly for packaging materials or pre-formed tubs or packs. This quality is also possible to be used in diluted concentration.

BELOX[®] B

is more stabilized hydrogen peroxide, optimized for use in bath or dipping type aseptic packaging machines. It maximizes the lifetime of the immersion bath and it leaves no residue on the roller surfaces, equipment surfaces or heater coils. BELOX[®] B can be added to the disinfectant bath for several days and discarded at the end of the week. It can be prepared daily or dosed continuously, depending on the manufacturer of the technical equipment and technology.



BELOX[®] SB

is recommended for specific users who have a combination of both methods (bath and spray) on their location. Technical support from Belinka Perkemija for spray technology is necessary before using BELOX[®] SB instead of BELOX[®] S because it is important to know which high tech equipment and technology is installed.

For aseptic packaging applications we confirmed adequacy of BELOX[®] 35 based on several tests together with the leading world producers of bath and spray methods technology.

IDENTIFICATION OF THE PRODUCT

Disinfection agent based on hydrogen peroxide (stabilized hydrogen peroxide aqueous solution - H₂O₂)
Trade name: BELOX[®] 35
Active substance name: HYDROGEN PEROXIDE
Molecular formula: H₂O₂
Molecular Mass: 34,0 g/mol
CAS No.: 7722-84-1
EINE CS No.: 231-765-0
CUSTOMS TARIFF NO (HS CODES): 2847 0000



PACKAGING

BELOX® 35 is delivered in the following packaging units:

- 20 l plastic drums
- 30 l plastic drums
- 60 l plastic drums
- 200 l plastic drums
- 1.000 l IBC containers
- in bulk (optional agreed)

MORE INFORMATION

There are more data available in TDS (technical data sheets), specifications and advices regarding products issued by Belinka Perkemija.

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.



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A member of the European Helios Group.

More information and general terms available at www.belinka-perkemija.com.