

## Hydrogen peroxide for use in WHO alcohol-based hand-rub formulations

PERSYNT® 3 LC is an aqueous solution of high quality highly purified hydrogen peroxide. The product is specially developed and stabilized for the preparation of a WHO-recommended alcohol-based hand-rub formulations. Hydrogen peroxide is used to inactivate bacterial spores in the disinfecting solutions and is not an active substance for hand disinfection. The corresponding recipes are defined by the WHO.

As a consequence of the coronavirus outbreak and according to the Article 55 of the Regulation (EU) Nr.528/2012 (BPR), national authorities of a member state can authorize biocidal products in the state's territory for a certain period of time (maximum for 180 days) without corresponding registration. Use of PERSYNT® 3 LC for preparation of WHO recommended disinfecting solutions is allowed only when such a decision is available.

### PACKAGING

PERSYNT® 3 LC is available in 950 kg plastic IBC-containers, tank containers or tank trucks.

### STORAGE / STABILITY

PERSYNT® 3 LC has to be stored in original containers or tank farms in a cooled, vented and protected from the direct sun irradiation area. It is important to keep hydrogen peroxide protected from all types of contamination and away from of combustible/oxidizable materials. When stored properly in the originally sealed containers, the shelf life of PERSYNT® 3 LC is 12 months from the date of production.

### PHYSICAL PROPERTIES

PERSYNT® 3 LC is a colorless clear liquid with light specific odor. PERSYNT® 3 LC is miscible with water in all proportions.

Freezing point, °C	-0.43
Boiling point, °C	$\geq 100$ °C (1,013 hPa)
Density 20°C, g/cm <sup>3</sup>	1,009

### CLASSIFICATION

CAS No.:	7722-84-1;
EINECS-No.:	231-765-0;
REACH-No.:	01-2119485845-22-XXXX

### HAZARDS

PERSYNT® 3 LC is classified as non-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](http://www.active-oxygens.com) or contact us.

## STANDARD SPECIFICATION (\*)

Parameter	Value	Unit	Method
H <sub>2</sub> O <sub>2</sub> -Content, (w/w)	2,5 - 3,5	g/hg	AIAOWM11
Decomposition rate, (16h/96°C)	≤ 5,0	%	AIAOWM21
pH (directly measured)	≤ 4		AIAOWM30
<b>Characteristic physico-chemical data (not specified):</b>			
Identification A	pass the test		AIAOEP10
Identification B	pass the test		AIAOEP10
Identification C	pass the test		AIAOEP10
Non-volatile residue	≤ 2000	mg/l	AIAOWN10
Acidity	0,5 - 10,0	meq/l	AIAOWM40
Organic stabilizers: ≤ 250ppm	pass the test		AIAOWO30
Appearance: clear colorless liquid	pass the test		AIAOWM50

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

## REGULATORY

PERSYNT® 3 LC with the requirements of the German Pharmacopoeia (DAB), the European Pharmacopoeia (Ph. Eur. 10) and the German Drinking Water Directive (EN DIN 902)

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.

**Evonik Resource Efficiency GmbH**  
Marketing  
Active Oxygens  
Rodenbacher Chaussee 4  
63457 Hanau, Germany  
Phone +49 6181 59-4024  
Fax +49 6181 59-74024  
[www.active-oxygens.com](http://www.active-oxygens.com)

**FUTURIZE PEROXIDE.**  
The peroxide experts at Evonik