

Hydrogen peroxide for aseptic packaging

OXTERIL® 350 SPRAY is a specialty hydrogen peroxide grade, which is designed for the use in the aseptic packaging industry as well as other sterilization applications in food processing. OXTERIL® 350 SPRAY is an aqueous solution of highly purified high quality hydrogen peroxide. OXTERIL® 350 SPRAY formulation is adapted to the spray method. In this process H₂O₂ is sprayed through a nozzle into the preformed packaging material in order to sterilize it. Afterwards, the residual product is removed. OXTERIL® 350 SPRAY is characterized by easier removable deposits in the spraying unit, composition adapted to the spray process and low machine maintenance. High product stability ensures extended shelf life. OXTERIL® 350 SPRAY is approved and recommended by the major packaging machine manufacturers.

PACKAGING

OXTERIL® 350 SPRAY is available in 65 kg plastic canisters, 220 kg plastic drums (on request), 1100 kg plastic IBC-containers, tank containers, tank trucks.

STORAGE

OXTERIL® 350 SPRAY has to be stored in original containers or tank farms in a cooled, vented and direct sun irradiation protected 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 OXTERIL® 350 SPRAY is 2 years from the date of production.

PHYSICAL PROPERTIES

OXTERIL® 350 SPRAY is a colorless clear liquid with light specific odor. OXTERIL® 350 SPRAY is miscible with water in all proportions.

Freezing point, °C	-33
Boiling point, °C	108
Density 20°C, g/ml	1,132

CLASSIFICATION

CAS No.:	7722-84-1;
EINECS-No.:	231-765-0;
REACH-No.:	01-2119485845-22-0000, 01-2119485845-22-0012, 01-2119485845-22-0016, 01-2119485845-22-0003

HAZARDS

OXTERIL® 350 SPRAY is classified as dangerous. Improper handling may result in rapid decomposition. For detailed information to labeling, transport regulations, first aid, toxicology information as well as safe handling refer to material safety data sheet, visit our homepage www.active-oxygens.com or contact us

GHS - LABELING



TRANSPORTATION



STANDARD SPECIFICATION (*)

Parameter	Value	Unit	Method
H2O2-Content, (w/w)	35,0 - 36,0	%	AIAOWM11
Decomposition rate, (16h/96°C)	≤ 5	%	AIAOWM21
pH (directly measured)	≤ 4		AIAOWM30
Residue on evaporation	≤ 20	ppm	AIAOWN10
Conductivity	40 - 80	μS/cm	AIAOWM70
typical analysis values			
Acidity (as H2SO4)	≤ 0,025	%	AIAOWM40
Carbon (C)	≤ 40	ppm	AIAOWO30
Phosphate (PO4)	≤ 10	ppm	AIAOWO10
Antimony (Sb)	≤ 0,02	ppm	AIAOWP30
Arsenic (As)	≤ 0,02	ppm	AIAOWP30
Lead (Pb)	≤ 0,02	ppm	AIAOWP30
Cadmium (Cd)	≤ 0,02	ppm	AIAOWP30
Chromium (Cr)	≤ 0,10	ppm	AIAOWP30
Iron (Fe)	≤ 0,05	ppm	AIAOWP30
Copper (Cu)	≤ 0,01	ppm	AIAOWP30
Nickel (Ni)	≤ 0,02	ppm	AIAOWP30
Mercury (Hg)	≤ 0,02	ppm	AIAOWP35
Selenium (Se)	≤ 0,02	ppm	AIAOWP30
Tin (Sn)	≤ 0,10	ppm	AIAOWO22

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

REGULATORY

Except concentration OXTERIL® 350 SPRAY complies with the requirements of the German Pharmacopoeia, the European Pharmacopoeia, the German Drinking Water Directive and the American Food Chemical Codex.

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

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Evonik Resource Efficiency GmbH
Marketing
Active Oxygens
Rodenbacher Chaussee 4
63457 Hanau, Germany
TELEFON +49 6181 59-4024
FAX +49 6181 59-74024
www.active-oxygens.com

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The peroxide experts at Evonik.