

Product information

HYPROX[®] 500

Hydrogen peroxide for general industrial applications

HYPROX[®] 500 is a standard Hydrogen Peroxide Grade. **HYPROX[®] 500** is an environmental friendly powerful oxidizing and bleaching agent, which is developed for general industrial use. **HYPROX[®] 500** is an aqueous solution of a technical hydrogen peroxide. **HYPROX[®] 500** is designed for use in the paper industry as a bleaching agent and for the deinking in wastepaper recycling; in the textile industry as a bleaching agent, oxidizer and desizing agent; in environmental protection for the treatment of wastewater, in flue gas and contaminated soil (bioremediation); in the detergent and cleanser industry; in the chemical industry for epoxidation, hydroxylation and other oxidation reactions; for pickling of metal surfaces; as a bleaching agent for oils, waxes, fibers and other natural products.

PACKAGING

Canisters, drums (on request), IBC-containers, tank containers or tank trucks and rail cars (on request).

STORAGE

HYPROX[®] 500 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 HDPE packaging, the shelf life of the product is 12 months from the date of production.

PHYSICAL PROPERTIES

HYPROX[®] 500 is a clear colorless liquid with pungent specific odor; miscible with water in all proportions

Freezing point, °C	-52
Boiling point, °C	114
Density 20°C, g/ml	1.195

HAZARDS

HYPROX[®] 500 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, visit our homepage www.active-oxygens.com or contact us.

STANDARD SPECIFICATION (*)

Parameter	Value	Unit	Method
H ₂ O ₂ -Content, (w/w)	49.5 – 49.9	g/hg	AIAOWM11
Decomposition rate, (16h/96°C)	≤ 5.0	%	AIAOWM21
pH (directly measured)	≤ 3.5		AIAOWM30

(*) The specification is valid for product sales in Europe and the Middle East

Disclaimer

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Evonik Operations GmbH
Active Oxygens
Rodenbacher Chaussee 4
63457 Hanau, Germany
PHONE +49 6181 59-2849
FAX +49 6181 59-72849
www.active-oxygens.com

FUTURIZE PEROXIDE
The peroxide experts at Evonik