



AkzoNobel



Specialty Oxidants

Hydrogen Peroxide

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Eka's Hydrogen Peroxide Advantage

Hydrogen peroxide is a powerful oxidizing agent, which has a relatively low toxicity and is safe and easy to handle in commercially available concentrations that are produced by Eka Chemicals.

Hydrogen peroxide (H₂O₂) is also a clear, colorless liquid that can be mixed with water in any proportion. While hydrogen peroxide is non-combustible, it can decompose when it comes into contact with anything organic and is capable of producing enough heat and oxygen to start a fire. When handled correctly the risks are minimal. The two by-products of the decomposition of hydrogen peroxide are oxygen and water. It is these harmless by-products of decomposition, which make hydrogen peroxide a preferred chemical for use in many industrial and municipal applications.

The Eka Advantage – our responsive sales staff will provide timely quotes, often within hours. We are able to do this because we are supported by a superior Customer Service and Logistics team. Eka Chemicals maintains a dedicated fleet of trucks and railcars to ensure your delivery and quality needs are met on a consistent basis. When necessary, you can count on our experienced technical staff for troubleshooting assistance. We also have a dedicated distributor network throughout North America to suit your needs.

“When it comes to Customer Service, Eka delivers ... and at a competitive value.”

The main uses of hydrogen peroxide outside the pulp and paper industry are for bleaching applications (wood, kaolin, cork, vegetable oil) and water and food disinfection. The general effectiveness and harmless by-products of hydrogen peroxide have made it a natural for treating industrial and municipal wastewater, removing such undesirable compounds as hydrogen sulfide, cyanides, hypochlorite, phenols and various oxygen demanding organic compounds.

The Food Industry utilizes hydrogen peroxide for the disinfection of aseptic packaging and for bacterial control in cheese and starch manufacture. In the Chemical Industry hydrogen peroxide plays a major part in both inorganic and organic applications. Examples are the manufacture of peroxygens, such as organic peroxides, perborates and percarbonates and peracetic acid.

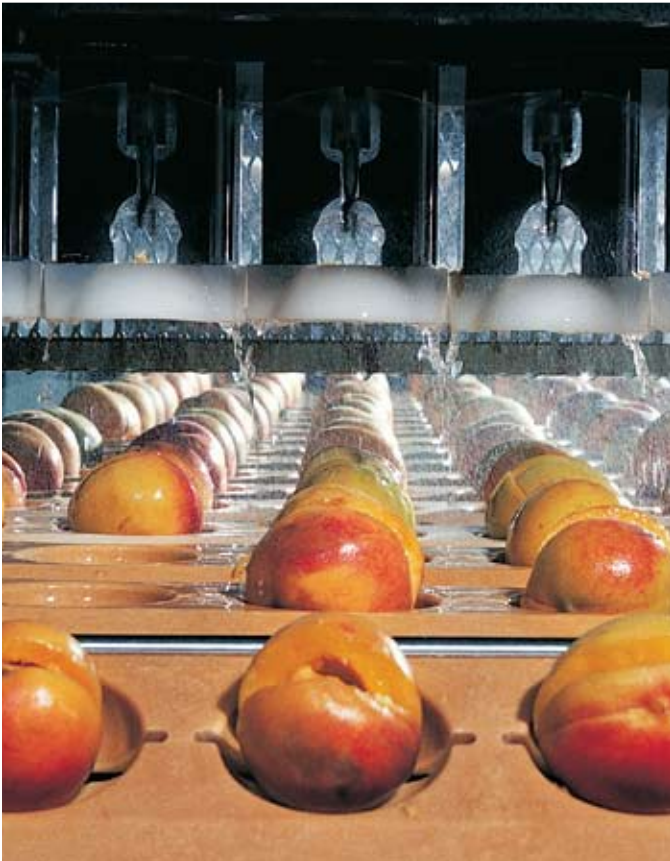
Environmental Applications of hydrogen peroxide include groundwater and soil remediation, odor control – TRS/sulfide removal, BOD/COD/TOC reduction, gas scrubbing/air pollution control.

Other Industrial Applications:
Textile Industry; Cosmetics - dyes, pastes;
Pool Chemicals; Aquaculture; Glass; Plastics;
Polymer; Circuit Board Etching;
and Foam Manufacture.

Hydrogen Peroxide Grades and Available Packaging

Grades	Concentrations % by wt.	Rail Tank Cars	Tank Trucks	Totes & Drums
Technical	35, 50, 70	●	●	●
Food (Kosher)	35, 50	●	●	●
Dilution	35, 50		●	●
Chemical	35, 50, 70	●	●	●
Peroxclear® certified under NSF	35, 50, 70	●	●	●

Custom concentrations of hydrogen peroxide are available please contact your Eka Chemicals representative for more information. For health and safety details, visit www.ekamsds.com.



Eka Chemicals provides safety audits and training for customers, and site audits are required prior to the first product delivery. Eka Chemicals is also committed to following the ACC Responsible Care® Guidelines and is an American Chemistry Council Responsible Care Partner Company. Eka Chemicals is ISO 9001:2008 and RC14001:2008 certified.



Since November 2006, the Hydrogen Peroxide manufacturing plant in Columbus, MS has belonged to a joint venture company. The j/v company, called EkO Peroxide LLC, is a partnership between Eka Chemicals Inc. and OCI Chemical Corporation and utilizes our knowledgeable workforce in manufacturing, logistics and other services. EkO Peroxide LLC supplies the complete product range of Hydrogen Peroxide including proprietary and regulated products. It also operates the North American distribution system for all grades and packages of Hydrogen Peroxide.

Eka Chemicals, with around 2,570 employees in 28 countries, is a business unit within AkzoNobel. Eka Chemicals is a leading supplier of bleaching chemicals, paper chemicals and systems to the pulp and paper industry throughout the world, and supplies certain specialty chemicals to the pharmaceuticals industry, water treatment, the electronics industry, etc.

AkzoNobel is the largest global paints and coatings company and a major producer of specialty chemicals. We supply industries and consumers worldwide with innovative products and are passionate about developing sustainable answers for our customers. Our portfolio includes well known brands such as Dulux, Sikkens, International and Eka. Headquartered in Amsterdam, the Netherlands, we are a Global Fortune 500 company and are consistently ranked as one of the leaders on the Dow Jones Sustainability Indexes. With operations in more than 80 countries, our 55,000 people around the world are committed to excellence and delivering Tomorrow's Answers Today.™

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