

# Eka HP C (Chemical Grade)

## Hydrogen Peroxide

Eka HP C (Chemical Grade) hydrogen peroxide solutions are clear, colorless and water-like in appearance. They are available in a number of different concentrations. Please contact your Nouryon Representative to determine which product meets your requirements.

**CAS number**

7722-84-1

**Molecular weight**

34.02

**Molecular formula**H<sub>2</sub>O<sub>2</sub>

### Applications

This grade is our highest purity and is designed to meet the stringent demands of customers in chemical and metal processing applications and the electronics industry. In the chemical industry, hydrogen peroxide plays a major role in the production of both inorganic and organic products. Examples include the manufacturing of percarbonates, perborate, a wide variety of organic peroxides and propylene oxide. Hydrogen peroxide is a mainstay in surface treatment within the metals and electronics industry; it is used for etching, polishing and cleaning, plus it eliminates nitrogen oxide gases (NO<sub>x</sub>) in connection with nitric acid-based pickling operations. Hydrogen peroxide is also used as a reducing agent in the production of chlorine dioxide – a bleaching agent used in the pulp industry.

### Packaging and transport

Please refer to the current SDS for the latest transportation regulations for hydrogen peroxide. Eka HP is classified as hazardous goods and consequently transportation and packaging design must therefore adhere to all applicable transportation regulations. Bulk shipments of hydrogen peroxide are available in tank trucks or rail car quantities. Transportation may take place by road, railway or sea.

### Safety and handling

Please refer to the current SDS (Safety Data Sheet) for preventive protection and first aid response. Hydrogen peroxide is a very reactive oxidizing chemical and must be handled carefully. Solutions should be stored in their original containers until ready for use, and any material removed from its original container must not be returned to it. The pure material, as well as its aqueous solutions, is nonflammable. Equipment used to handle hydrogen peroxide must be made of compatible materials such as glass, stainless steel, aluminum or HDPE. Hydrogen peroxide must never be placed in a closed, unvented container or pipe. Additional information on the handling of Eka HP is available in the Hydrogen Peroxide Product Information Manual that can be obtained from your Nouryon representative.

### Mandatory protective equipment

Because hydrogen peroxide should never come in contact with organic materials like cloth and leather, it's imperative that workers handling the chemical always wear the appropriate protective clothing. Please check the SDS and PDS for your specific product for details.

### Additional information

Production at all Nouryon sites is in accordance with certified management systems. To receive a copy of the current certificate(s) contact your Nouryon representative. Nouryon representatives will be pleased to discuss in detail the safe handling, application and benefits of Eka HP. To arrange your personal interview, please contact your Nouryon account representative, email [bleaching\\_experts@nouryon.com](mailto:bleaching_experts@nouryon.com) or call one of the numbers below.

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

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The Nouryon logo consists of a stylized orange 'N' followed by the word 'ouryon' in a lowercase, sans-serif font. The 'N' is significantly larger and more prominent than the rest of the text.