

## Eka Facts

# Eka HP A35

## Hydrogen Peroxide solution

### General

Eka HP hydrogen peroxide solutions are clear, colorless and water-like in appearance; they can be mixed with water in any proportion. At high concentration, it has a slightly pungent or acidic odor.

Aseptic Grade (denoted by the A in the product name) Hydrogen Peroxide is specially formulated to meet stringent specifications for this unique application. This product contains a low tin stabilizer system for enhanced stability under long-term bulk storage conditions.

### Applications

Eka HP A35 is produced specifically for use in aseptic packaging machines; it is an effective product to sterilize the inside of an aseptic packaging container prior to filling - bath treatment.

This grade of Eka HP can also be utilized as a biocidal active substance in specific industrial applications.

### Typical properties

H <sub>2</sub> O <sub>2</sub> content	35 - 35.5 wt. %
pH	<3
Acidity (as H <sub>2</sub> SO <sub>4</sub> )	<5 mmol/l
Lead	<1 mg/l
Tin	<10 mg/l
Iron	<0.1 mg/l
Phosphate	< 80 mg/l
Residue on evaporation	<150 mg/l

### Other characteristics

Active oxygen	16.5 wt. %
Specific gravity @ 20°C (68°F)	1132 kg/m <sup>3</sup>
Freezing point	-33°C (-27°F)
Boiling point	108°C (226°F)
Viscosity (approx.)	
@ 0°C (32°F)	1.81 cP
@ 20°C (68°F)	1.10 cP
Molecular weight	34.02
CAS Number	7722-84-1

### Safety

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. Appropriate personal protective equipment includes all of the following:

- A protective suit (preferred anti flammable treated) made of vinyl, neoprene, or PVC.
- A pair of vinyl or neoprene boots.
- Protective goggles that fit snugly over the eyes.
- Vinyl or neoprene gloves.
- A hard-hat with a full-face shield.

## Shipping

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.

Proper Shipping Name	Hydrogen Peroxide
UN number	2014
Transportation Hazard Class	5.1
Packaging group	II

## Quality

Production at all Nouryon sites is in accordance with certified management systems. To receive a copy of the current certificate(s) please contact your Nouryon representative.

## Customer Service

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.

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Rev. April 23, 2019