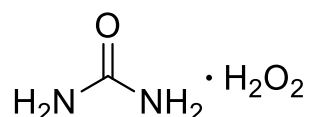


## CP

Carbamide peroxide (hydrogen peroxide – urea)  
CAS#124-43-6  
Solid

### Structural Formula



### Description

Carbamide peroxide is an anhydrous addition compound of hydrogen peroxide and urea. It is freely soluble in water.

### Technical Data

Appearance	white, crystalline solid
Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )	min. 35 % w/w
Active oxygen (AO)	min. 16.5 % w/w
pH of a 1 % solution in water (typically)	4.0 - 5.2
pH of a 10 % solution in water (typically)	3.0 - 4.2
Solubility in water at 20 / 40 / 60 °C	approx. 500 / 730 / 970 g/L
Decomposition temperature (SADT)*	60 °C
Recommended storage temperature	< 30 °C
Storage stability as from date of delivery	9 months

*\*Even small amounts of moisture or impurities can noticeably reduce SADT.*

### Standard Packaging

25 kg PE-bag in cardboard packaging

## Application

### MEDICAL-PHARMACEUTICALS:

- Antiseptic agent
- Ear wax removal
- Common body disinfection
- Tooth treatment - mouth disinfection and stiptic
- Veterinary science

### COSMETICS:

- Bleaching of hair
- Oxidizing agent in hair colorations
- Fixative for cold waves
- Teeth whitening

### OXIDANT:

- For common uses

## Storage

CP is a hygroscopic substance and must be stored under dry conditions. It has to be protected from direct sunlight and from any other sources of heat. Under proper conditions it can be stored at least for 9 months without significant loss of activity.

## Disclaimer:

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