Solvex (known as Bromhexine, Bisolvon) is a synthetic derivative of an active ingredient of plant vasicina. Preclinical studies have been shown to increase the level of mucus in the respiratory organs. Solvex improves movement of mucosal secretions by reducing its viscosity and activating ciliary epithelium (mucociliary clearance).

In clinical studies, the effect of Solvex showed the decomposition of sewage and its removal from the respiratory pathways, thereby facilitating the cough. By providing Solvex, the concentration of antibiotic (amoxicillin, erythromycin, oxytetracycline) in sputum and respiratory secretions are increased. Solvex is used for acute and chronic respiratory diseases, the present profuse secretion with reduced transport mucus.

Warning and precautions

Warn your doctor if you are taking other medications, have a chronic disease, a metabolic disorder, are hypersensitive to medicines or have had allergic reactions to some of them. Solvex you can not use if you know that you are hypersensitive to Solvex or other ingredients of the formulation.

In the case of rare inherited metabolic disorders that may be incompatible with excipients in the product, please talk to your doctor or pharmacist. Also it is recorded a extremely rare cases of serious lesions of the skin, such as Stevens-Johnson's syndrome and Layla syndrome the time associated with the administration of mucolytic substance such as Solvex. This is mainly explained by severity of the underlying disease, or medicines that are administered simultaneously.
If the new lesions in the skin or mucous membranes appeared, you should seek medical advice immediately and as a precautionary measure discontinue the using of medicine. Solvex should be used with caution in patients with ulcer or have had in the history of the disease.

### Pregnancy and lactation

Before you start taking any medicine, consult your doctor or pharmacist. Results of preclinical studies that are available to us as well as clinical experience to date have shown no evidence of adverse effects on pregnancy. However, the usual precautions in the use of medicines during pregnancy, especially during the first trimester, should be respected. It is expected that Solvex penetrates into breast milk, so it should be avoided during breastfeeding.

### Driving and using machines

Solvex have no known effects on the driving and using machines.

### Use with other medicines (Interactions)

With Solvex were observed no clinically significant adverse interactions with other medicines.

### Dosage and method of use

- **Oral use**: A solution of 2 mg/ml (=60 drops):
  - Adults and children over 12 years: 3 x 4 ml per day
  - Children 6-12: 3 x 2 ml per day
  - Children: 2-6 years: 3 x 20 drops per day

  No relevant data according to which the Solvex can be safely and effectively used in children under 2 years administered orally or by inhalation. At the beginning of therapy, it may be necessary to increase the total daily dose of up to 48 mg in adults.

<table>
<thead>
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- **Inhalation solution (aerosol device)**: As a general rule it is recommended that solutions for inhalation heated to body temperature prior to inhalation. Patients with asthma may be advised to start with inhalation only after taking their regular bronchospasmolytic therapy.

  - **Solution for inhalation**:
    - Adults: 2 cycles of 4 ml per day
    - Children over 12 years: 2 times 2 ml per day
    - Children 6-12: 2 times 1 ml per day
    - Children: 2-6 years: 2 times 10 drops per day

The solution be dissolve with physiological solution in a ratio of 1:1. The solution should be inhaled
immediately after mixing to avoid precipitation.

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### Side effects

Solvex are normally well tolerated. Side effects can be:

1. diarrhea,
2. nausea,
3. vomiting and other mild stomach side effects.

An allergic reaction include:

- rash,
- hives (urticaria),
- bronchospasm (transient narrowing of small respiratory pathways),
- angioedema (vascular reaction that affects the deep layers of the skin and subcutaneous tissue) and anaphylaxis (hypersensitivity of the body),
- occasional increase in serum transaminases.

### Overdose

There are not recorded any symptoms of overdose. If it occurs, should be applied symptomatic therapy.