

Product Information  
On

**Cavex ExSense**  
(Dentinal desensitisers)

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<b>Version:</b>	<b>2026-02</b>

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## 1. Introduction

### **Functional description & intended use**

Cavex ExSense is a water-based gel with mint aroma that contains hydroxyapatite and potassium nitrate. It offers fast relief from sensitive teeth thanks to a blend with a 'hydro-dispersing clay'. This ensures accelerated dispersion that helps the hydroxyapatite penetration into the surface tubules and micro-cracks in the enamel. As a result the areas causing sensitivity are sealed off completely. In addition to the desensitizing properties a process of crystallization helps the re-mineralization process which enhances whiteness of the teeth.

Cavex ExSense is indicated after tooth whitening, professional tooth cleaning or in case prevention and control of sensitivity is required.

### **Device description**

Cavex ExSense is the perfect solution for sensitive teeth. Sensitive teeth often occur as a result of dental erosion or exposed dentin. Cavex ExSense is based on 2% hydroxyapatite that seals the tubules and microcracks in the enamel using a hydro-dispersing sol. In doing so, it completely closes off sensitive areas. The addition of 0.1% potassium nitrate also restores the micro-hardness of the elements. In addition to complete closure, crystallization takes place which supports and accelerates the remineralization process.

Cavex ExSense is available in a tube (42 ml – 50 grams) and in a convenient brushpen (6 ml – 7 grams). The product can be applied in various ways, depending on the nature and extent of the sensitivity. The most effective method is to use a custom-made tray filled with Cavex ExSense in a tube, allowing the teeth to 'bathe' for 10 minutes. For more localized sensitivity, Cavex ExSense can be applied directly to the affected area with the tip of a finger or the with brushpen. The brushpen's fine applicator makes it especially easy to target specific spots with accuracy and control.

Cavex ExSense is developed and manufactured by Cavex Holland B.V.  
Cavex ExSense is in compliance with the provisions of the  
Regulation (EC) 1223/2009 Concerning Cosmetic Products.

## 2. Composition

The basic ingredients of Cavex ExSense are:

Water, sorbitol, glycerin, erythritol, lithium magnesium sodium silicate, hydroxyapatite, potassium nitrate, phenoxyethanol, xanthan gum, tetrasodium pyrophosphate, tartaric acid, spearmint oil, sodium saccharin.

### 3. Manufacturing

All raw materials are accurately weighed according to the formulation, and the weight of all the raw materials of every single batch is recorded and filed. The components are fed into the blender in a special, fixed order and mixed. A sample is taken for In-Process Control, which comprises viscosity and pH.

Once released the batch is transferred to the filling device and the mixture is filled into tubes. During the filling process the weight and closing of the tubes is carefully controlled. After completion the tubes are packed into the final boxes with labelling. For final inspection and reference, samples are taken.

### 4. Laboratory control

Quality control is carried out according to a number of in-house standards and every batch is in compliance with our internal specifications.

Characteristic	Target specifications	Release specifications	
Appearance	White gel	White gel	
pH	7,5 – 9,0	7,5 – 9,0	
Viscosity	5 – 30	5 – 100	Pa.s
Packaging and marking	Must comply	Must comply	

### 5. Shelf-life test

There is no official shelf-life test described for dental desensitizing products. Based on the results of internal tests, we can guarantee the good quality of Cavex ExSense for a period of 42 months, when kept in its original packaging, provided the tube is unopened and stored in a cool and dry place.

Cavex Holland will maintain a shelf life period of 36 months instead of the 42 months. 6 months are always used when Cavex ExSense is stored at the production site for 6 months.

### 6. Quality Control

A batch of Cavex ExSense, that has passed all the tests, is released for sales. In case of one or more requirements being not in specification, that batch is withdrawn and not sold.

### 7. Statement of non-toxicity

We hereby declare, that Cavex ExSense can be safely used and is non-toxic to the patient as well as to the dental team.

Cavex ExSense will also normally not be irritant to oral tissues and does not contain any hazardous ingredients in sufficient concentration to be harmful to human beings when used as directed.