

R<sub>x</sub>

# Senzvisc<sup>®</sup>

## Eye Drops

(Hypromellose Ophthalmic Solution USP 0.3% w/v)

### COMPOSITION:

Hydroxypropylmethylcellulose IP .....	0.3% w/v
Benzalkonium Chloride Solution IP .....	0.01% v/v
(as preservative)	
Water for Injections IP .....	q.s

### Description

Hydroxypropylmethylcellulose belongs to the group of medicines known as artificial tears. It is used as a lubricant for temporary relief from burning, irritation and discomfort due to dryness of the eye or due to exposure to wind or sun. It contains hydroxypropylmethylcellulose also known as hypromellose as its active ingredient. It helps in restoring the natural moisture of your eyes using natural tears. Dryness in the eye can be due to various factors such as wind, sunlight, prolonged use of computers and staying in air-conditioned setups.

### Pharmacodynamics

The physical characteristics of this drug resemble natural tears, providing lubrication to the ocular surface and maintaining corneal hydration in dry eye syndromes.

Hypromellose is considered an inert substance as it has no direct pharmacological activity. The viscosity promoting properties of Hypromellose prolong the retention time and improve adhesion of synthetic tears to the cornea and conjunctiva. As a result, the tear film breakdown time is prolonged and/or the tear film stability is enhanced. A stable tear film protects the cornea from dryness and epithelial cells.

Hypromellose is a methyl and hydroxypropyl mixed ether of cellulose. It is utilized as artificial tears to prevent conjunctival and corneal damage due to impaired lacrimal secretions. It is also used as a visco-elastic promoting agent by maintaining a deep, viscous chamber and allowing for easier manipulation, helping the vitreous surface to be pushed back, thus preventing the formation of a postoperative flat chamber.

### Mechanism of action

Promotes corneal wetting by the stabilization and thickening the precorneal tear film and prolonging the tear film breakdown time, which is usually shortened in dry eye conditions. Hypromellose also acts to lubricate and protect the eye.

The surface active properties of the vehicles found in artificial tears solutions act to stabilize the tear film and increase tear viscosity to prevent delay tear evaporation and delay tear drainage.

In the intact eye, the corneal surface is moistened primarily by the mucin that is produced in the conjunctiva. Mucin is adsorbed on the corneal surface and forms a hydrophilic surface. This creates a moisture barrier. In the typical dry eye, and particularly in case of mucin deficiency, the application of artificial tear fluid is highly recommended. Both its surface activity and its adsorptive capacity make Hypromellose optimal for this use. Hypromellose has a physical-chemical action and leads to, in an aqueous solution, a reduced surface tension as well as an increased level of viscosity. Hypromellose adheres well to the cornea and conjunctiva and provides ample moisture. Irritation symptoms caused by blinking, which occur in the case of tear fluid deficiency, are therefore decreased and symptoms of epithelial desiccation are also alleviated.

### Allergies

Tell your doctor if you have ever had any unusual or allergic reaction to this medicine or any other medicines.

## Paediatric

Although there is no specific information comparing use of Hydroxypropyl methylcellulose in children with use in other age groups, this medicine is not expected to cause different side effects or problems in children than it does in adults.

## Geriatric

Eye drops there is no specific information comparing use of Hydroxypropyl methylcellulose in the elderly with use in other age groups, this medicine is not expected to cause different side effects or problems in older people than it does in younger adults.

## Breastfeeding

There are no adequate studies in women for determining infant risk when using this medication during breast feeding. Weigh the potential benefits against the potential risks before taking this medication while breast feeding.

## Drug Interactions

Although certain medicines should not be used together at all, in other cases two different medicines may be used together even if an interaction might occur. In these cases, your doctor may want to change the dose, or other precautions may be necessary. Tell your healthcare professional if you are taking any other prescription or non-prescription (over-the-counter [OTC]) medicine.

## Side Effects

Along with its needed effects, a medicine may cause some unwanted effects. Although not all of these side effects may occur, if they do occur they may need medical attention.

Check with your doctor as soon as possible if any of the following side effects occur:

Some side effects may occur that usually do not need medical attention. These side effects may go away during treatment as your body adjusts to the medicine. Also, your health care professional may be able to tell you about ways to prevent or reduce some of these side effects. Check with your health care professional if any of the following side effects continue or are bothersome or if you have any questions about them:

### Less common

- Blurred vision
- Matting or stickiness of eyelashes

## Storage Instructions

KEEP IN A COOL PLACE

PROTECT FROM LIGHT.

KEEP OUT OF REACH OF CHILDREN.

FOR EXTERNAL USE ONLY

## Presentation

**Senzisc** is a clear colourless sterile solution supplied in an opaque plastic bottle with a cap containing 10 mL of solution.

## Directions for use:



Turn the tamper proof cap anti-clockwise to break the seal.



Remove the cap, dispense drops with gentle pressure.

Replace the cap immediately after every use.

Manufactured in INDIA by :

**Senses Pharmaceuticals Pvt. Ltd.,**

No.77, 3rd Road, Bommasandra Industrial Area,  
Bommasandra 4th Phase, Bengaluru - 560 099.

® Registered Trademark

SVCPI-01