

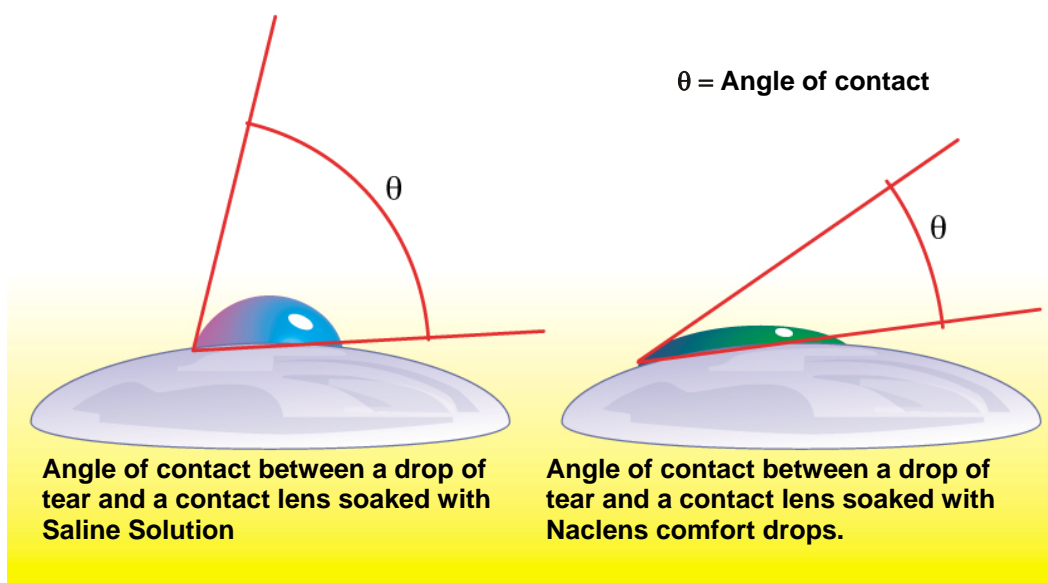
## NACLENS COMFORT DROPS

### Wetting and lubricating solution for all type of contact lenses.

Naclens comfort drops is a product that is used to make contact lenses more comfortable to wear. Wetting a contact lens with a few drops of Naclens makes it easier and more comfortable to put it, and increases comfort of wear during use.

Naclens comfort drops has this wetting and lubricating property because it contains two water-soluble polymers: PVP (polyvinylpyrrolidone) and HEC (hydroxyethylcellulose). Both polymers are substances that are biocompatible with the corneal epithelium (non-cytotoxic substances) and therefore the physico-chemical characteristics of the product's formulation are similar to those of lachrymal fluid.

**Figure 1. How Naclens comfort drops act.**



The HEC and the PVP interact with the surface of the contact lens, reducing the angle of contact ( $\theta$ ) or wetting angle that is formed when the tear enters into contact with the contact lens.

The reduction of the angle of contact increases the stability of the tear on the lens, resulting in enhanced comfort of wear.

Naclens comfort drops have a neutral pH (7.2 - 7.5) and a tonicity (osmolarity) of 300 mOsm/kg. Both parameters are specifications that must be complied with by any lens maintenance product that comes into contact with the eye.

The product contains a new-generation preservative (Polyhexamethylene biguanide) and contains no thimerosal or chlorhexidin

The clinical and primary eye tolerance studies confirm the excellent tolerance of the formula:

- In the eye tolerance test, the product is classified as non-irritating with a mean index of zero for the conjunctiva, iris and cornea.
- The clinical study of fifty patients at seven optician's demonstrated the high level of acceptance of the product. Only one patient dropped out of the study (though not as a result of intolerance problems). The 49 patients who used the product for 3 months considered it very comfortable or acceptable. None of the users considered it irritating or slightly irritating.