**NEPUSOLONE 1%**  
(Prednisolone Sodium Phosphate BP)

Sterile Solution for **Ophthalmic Use**  
Composition  
Prednisolone Sodium Phosphate BP 1% m/v  

**Pharmacology**  
The actions of corticosteroids are mediated by the binding of the corticosteroid molecules to receptor molecules located within sensitive cells. Prednisolone Sodium Phosphate, in common with other corticosteroids, will inhibit phospholipase A2 and thus decrease prostaglandin formation. The activation and migration of leucocytes will be affected by Prednisolone Sodium Phosphate. A 1% solution of Nepusolone has been demonstrated to cause a 5.1% reduction in polymorph nuclear leucocytes mobilisation to an inflamed cornea. Corticosteroids will also lyse and destroy lymphocytes. These actions of Prednisolone Sodium Phosphate all contribute to its anti-inflammatory effect.

**Manifested by:**  
KSB NATIONAL EYE DROP PRODUCTION UNIT  

**Dose**  
As directed by the physician.

**Instructions**  
- Store in a cool and dry place.  
- Shake well before use  
- Replace cap securely after use.  
- Keep out of the reach of children.

**Contact:**  
The Kenya Society for the Blind (KSB)  
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P. O. Box 46656 -00100 GPO  
NAIROBI Kenya  
TEL: (254-20) 6001541 or 0775061819  
EMAIL: ksb@ksblind.org or nepu@ksblind.org  
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**NEPUNTOLATE**  
Cyclopentolate Hcl Bp  

Sterile Solution For **Ophthalmic Use**  
Composition  
Cyclopentolate Hydrochloride BP 1% m/v  

**Pharmacology**  
Cyclopentolate is a medication commonly used during pediatric eye examinations that dilates the eye (mydriasis), prevents accommodation of the eye to different distances (cycloplegia), and blocks specific receptors called muscarinic receptors (muscarinic antagonist). [1] Cyclopentolate is also administered as an atropine substitute to reverse muscarinic and central nervous system effects of indirect cholinomimetic (anti-A Chace) administration.

**MANUFACTURED BY:**  
KSB NATIONAL EYE DROP PRODUCTION UNIT  

**NOTE:**  
Use the solution within one month after opening the container.

**Warning**  
To avoid contamination, do not touch tip of the container or any surface.  
If irritation persists or increases, discontinue use and consult physician.

For **Ophthalmic use only**

**KSB Exists to:**  
1- To promote education of Visually impaired  
2- To promote treatment and prevention of avoidable blindness  
3- To promote rehabilitation of the irreversibly blind  
4- To raise awareness on the plight of PWVI in Kenya

**Other KSB’s Services:**  
1- Orientation and Mobility Training  
2- Adaptive Computer Training (CAT)  
3- Transcription services  
4- Disability mainstreaming  
5- Assistive devices for the Visually Impaired  
6- Affordable Eye Clinic & Optical Services
**NEPUSOLONE - G**
Prednisolone Sodium Phosphate with Gentamicin Sulphate
Sterile Ophthalmic Solution Composition
Prednisolone Sodium Phosphate B.P. 0.5% w/v
Gentamicin Sulphate B.P. 0.3% w/v

**Pharmacology**
Microbiology: Gentamycin sulfate in Nepusolone - G is active in vitro against many strains of the following microorganisms: Staphylococcus aureus, Staphylococcus epidermidis, Streptococcus pyogenes, Streptococcus pneumoniae, Enterobacter aerogenes, Escherichia coli, Haemophilus influenzae, Klebsiella pneumoniae, Neisseria gonorrhoeae, Pseudomonas aeruginosa, and Serratia marcescens. An action of prednisolone contributes to its anti-inflammatory effect.

**NEPUCROMO**
Sodium Cromoglycate B.P.
Sterile Ophthalmic Solution Composition
Sodium Cromoglycate B.P. 2% w/v
Benzalkonium Chloride 0.02% w/v

**Pharmacology**
Sodium Cromoglycate is a mast cell stabilizer that acts by inhibiting the degranulation of sensitized mast cells which usually occurs after exposure to allergens and thereby prevents the release of allergic mediators such as histamine.

**NEPUCELLULOSE**
Methycellose B.P.
Sterile Ophthalmic Solution Composition
Methycellose B.P. 2% w/v
Centrimide 0.5% w/v

**Pharmacology**
Methycellose is used as an ocular lubricant in a dry eye syndrome and not absorption into the cornea.

**NEPUZINC**
Zinc Sulphate
Sterile Ophthalmic Solution Composition
Zinc Sulphate B.P. 0.25% w/v
PMN 0.004% v/v

**Pharmacology**
Zinc sulfate ophthalmic solution has a mild astringent effect (that is, it causes tissues to contract when applied topically), which can help to shrink the tiny blood vessels in the whites of the eye (sclera) and so relieve redness and irritation.

**NEPUCAINE**
(Amethocaine HCL BP)
Sterile Solution for Ophthalmic Use Composition
Amethocaine Base BP 0.5 % M/V

**Pharmacodynamic Properties**
Nepucaine eye drop is used as a local anesthetic which acts by reversibly blocking the propagation and conduction of nerve impulses along nerve axons. Nepucaine stabilizes the nerve membrane, preventing the increase in sodium permeability necessary for the production of an action potential.

**Pharmacology**
The actions of corticosteroids are mediated by the binding of the corticosteroid molecules to receptor molecules located within sensitive cells. Prednisolone Sodium Phosphate 0.5%, in common with other corticosteroids, will inhibit phospholipase A2 and thus decrease prostaglandin formation. The activation and migration of leucocytes will be affected by Prednisolone Sodium Phosphate A 0.5 %. Solution of prednisolone has been demonstrated to cause a 5.1% reduction in polymorph nuclear leucocytes mobilisation to an inflamed cornea. Corticosteroids will also lyse and destroy lymphocytes. These actions of prednisolone all contribute to its anti-inflammatory effect.