condition, ointments may be applied from every hour to just at bedtime. Ointments should not be used with contact lenses. Inflammation occurring in response to tears film hypertonicity can be suppressed by mild topical steroids or with topical immunosuppressants such as cyclosporine.

SUMMARY

In one aspect, there is provided the use of an emulsion in the manufacture of a medicament for treating dry eye wherein the emulsion is a sodium chloride free and comprises about 0.25% w/w castor oil, polysorbate 80, carboxymethyl cellulose, a carbomer copolymer, erythritol, levocarnitine and glycerine.

In one aspect, there is provided the use of an emulsion comprising 0.5% w/w polysorbate 80, 0.5% w/w carboxymethylcellulose sodium, 1.0% w/w glycerin, 0.01% w/w stabilized oxychloro complex, 0.6% w/w boric acid, 0.1% w/w carbomer copolymer, 0.25% w/w castor oil, 0.25% w/w erythritol, 0.25% w/w levocarnitine, sodium hydroxide to adjust pH to 7.3, and purified water in the manufacture of a medicament for treating dry eye.

In one aspect, there is provided use of a sub-micron emulsion in the manufacture of a medicament for treating dry eye wherein the emulsion is a sodium chloride free and comprises about 0.25% w/w castor oil, polysorbate 80, carboxymethyl cellulose, a carbomer copolymer, erythritol, levocarnitine and glycerine,

wherein the carbomer copolymer is Pemulen TR-2.

In one aspect, there is provided use of a sub-micron emulsion comprising 0.5% w/w polysorbate 80, 0.5% w/w carboxymethylcellulose sodium, 1.0% w/w glycerin, 0.01% w/w stabilized oxychloro complex, 0.6% w/w boric acid, 0.1% w/w carbomer copolymer, 0.25% w/w castor oil, 0.25% w/w erythritol, 0.25% w/w levocarnitine, sodium hydroxide to adjust pH to 7.3, and purified water in the manufacture of a medicament for treating dry eye,

wherein the carbomer copolymer is Pemulen TR-2.

The present disclosure is comprised of an artificial tear emulsion of the following formulation:

Table I

[1]	POLYSORBATE 80 Grade: NF Ph Eur	0.5	% w/w	Active
[2]	CARBOXYMETHYLCELLULOSE SODIUM (LOW VISCOSITY 7LFPH) Grade: Ph Eur USP	0.5	% w/w	Active
[3]	GLYCERIN Grade: Ph Eur USP	1.0	% w/w	Active
[4]	PURITE Grade:	0.01	% w/w	Preservative
	BORIC ACID Grade: NF Ph Eur	0.6	% w/w	Buffer
[5]	PEMULEN TR-2 Grade: NF	0.1	% w/w	Stabilizer
[6]	CASTOR OIL Grade: Eur Ph USP	0.25	% w/w	Excipient
	ERYTHRITOL Grade: NF Ph Eur	0.25	% w/w	Excipient
	LEVOCARNITINE Grade: Ph Eur USP	0.25	% w/w	Excipient
[7]	SODIUM HYDROXIDE Grade: NF Ph Eur	7.3	pH	pH Adjust
[8]	WATER FOR INJECTION / PURIFIED WATER Grade: USP	100	% w/w	QS Adjust

[1] PM# 12783. Super Refined Polysorbate 80 from CRODA. Primary emulsifer and demulcent.
[2] Demulcent
[3] Demulcent and tonicity agent
[4] Stabilized Oxychloro Complex (Purite). Add by assay value
[5] Pemulen TR-2NF (Carbomer Copolymer Type A. Tested to Ph Eur'). Secondary emulsifer.
[6] Lipophilic vehicle
[7] pH target 7.3
[8] Hydrophilic vehicle

CLAIMS

1) Use of a sub-micron emulsion in the manufacture of a medicament for treating dry eye wherein the emulsion is a sodium chloride free and comprises about 0.25% w/w castor oil, polysorbate 80, carboxymethyl cellulose, a carbomer copolymer, erythritol, levocarnitine and glycerine,

wherein the carbomer copolymer is Pemulen TR-2.

2) Use of a sub-micron emulsion comprising 0.5% w/w polysorbate 80, 0.5% w/w carboxymethylcellulose sodium, 1.0% w/w glycerin, 0.01% w/w stabilized oxychloro complex, 0.6% w/w boric acid, 0.1% w/w carbomer copolymer, 0.25% w/w castor oil, 0.25% w/w erythritol, 0.25% w/w levocarnitine, sodium hydroxide to adjust pH to 7.3, and purified water in the manufacture of a medicament for treating dry eye,

wherein the carbomer copolymer is Pemulen TR-2.

3) The use of claim 2 wherein the emulsion is preservative free.

4) The use of claim 2 wherein the medicament is to be applied at least once a day.

5) The use of claim 3 wherein the medicament alleviates the symptoms of dry eye syndrome.

6) The use of claim 3 wherein the medicament treats and prevents dry eye syndrome.