

Uniox C

Description

Non-ionic self emulsifying wax.

INCI Name

Cetearyl Alcohol (and) Polysorbate 60.

DCI: Not disponible.

Introduction

Uniox C is a non-ionic self emulsifying wax extremely versatile, with great performance for different applications. A variety of cosmetic and pharmaceutical systems can be made with it. Emulsions formulated with **Uniox C** have wide pH range, tolerate high levels of electrolytes and exhibit excellent stability.

Uniox C is highly suitable for the manufacture of creams or lotions that need to be autoclaved, producing stable emulsions when subjected to temperature and pressure conditions that promote sterilization, for example, 125°C and 1.5 atm (1.5 Kg/cm²) of relative pressure.

Benefits

Uniox C:

- Provides stability and viscosity required in general formulations of creams and lotions
- Forms economically feasible emulsions thus it simplifies the production process, suitable in systems for which the anionic emulsifiers are contraindicated.

Application and Usage Indications

It can be used to prepare O/W emulsions for cosmetic and pharmaceutical areas. In formulations where stability becomes difficult, **Uniox C** can be used as a co-emulsifier to aid in stability.

Uniox C should be added in the oil phase of the emulsion and can be heated to 85°C.

Physicochemical Aspects and Compatibility

It is stable in a wide pH range and tolerates high levels of electrolytes.

It is compatible with aluminum, zinc, strontium and lead salts, quaternary ammonium and a wide range of pharmaceutical active ingredients, such as:

Dexamethasone acetate	Beta naphthol	Dexamethasone sodium phosphate
Phenyl mercuric acetate	Calamine	Dimethyl phthalate
Acriflavine	Camphor	Chloral hydrate
Adrenaline	Aminoacridine chloride	Potassium iodide
Lime water	Ephedrine hydrochloride	Iodoform
Coal tar	Chlorobutanol	Pyrimamine maleate
Potassium alum	Chlorocresol	Menthol
Ammonium alum	DDT	Nupercaine
Aureomycin	Sulphur	Birch oil
Benzocaine	Phenol	Mercury oxide
Zinc oxide	Burrow's solution	Neomycin sulphate
Penicillin	Lead subacetate	Turpentine
Pyrogallol	Sulfacetamide	Lauric thiocyanate
Proflavine	Sulfadiazine	Sodium thiosulfate
Proflavine urea	Sulphanilamide	Gentian Violet
Methyl salicylate	Atropine sulphate	

Suggested Concentration

- As the main emulsifier: 5.0 to 15.0% (w/w);
- As co-emulsifier: 2.0 to 5.0% (w/w).

Bibliographical References

I- Internal development.

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