

Cosmowax

Nonionic emulsifying waxes

Cosmowax, Cosmowax D and Cosmowax J form a range of extremely versatile nonionic surface active agents which may be employed as primary or secondary oil-in-water emulsifiers, bodying agents or opacifiers, enabling the formulation of a variety of cosmetic and pharmaceutical systems.

Features

- stable in the presence of electrolytes
- versatile
- simplify production
- produce stable, elegant emulsions
- pastillated form

Emulsions based on the Cosmowaxes are insensitive to pH, will tolerate high levels of electrolytes, possess a dense white appearance and exhibit excellent stability. In common with other nonionic surface active materials, the Cosmowaxes can depress the biocidal activity of some phenolic compounds.

Cosmowaxes are inert to most active ingredients employed in cosmetic and pharmaceutical preparations, including anionic, cationic and amphoteric surfactants, acids, bases and electrolytes.

Applications

- skin creams and lotions
- antiperspirants
- depilatory preparations
- curl activator creams and hair straighteners
- hair conditioning rinses
- hair dyes
- pharmaceutical ointments and creams

Cosmowax is recommended for use in emulsions containing very high levels of electrolytes, such as depilatory compositions and antiperspirants. Emulsions based on Cosmowax are of lower viscosity than those based on the other members of the range and it is therefore the preferred material for use in lotions and in aerosol compositions.

Cosmowax D produces emulsions of intermediate viscosity and is recommended for use in cosmetic and pharmaceutical creams. In common with Cosmowax, emulsions based on this material will tolerate high levels of electrolytes.

Cosmowax J produces emulsions of a heavier nature and is ideal for the formulation of heavy bodied creams and as an auxiliary emulsifier or stabiliser.

Simple cosmetic and pharmaceutical creams usually contain 6-12% of a Cosmowax compounded with suitable humectants and emollients. In lotions, the recommended level of use is 2-5%.

In sophisticated or complex systems, Cosmowaxes work well in combination with Polawax (in creams) and acid stable glyceryl monostearate (in lotions).

Formulations demonstration the use of Cosmowaxes are available upon request.

Health and Safety

The Cosmowaxes are considered to be acceptable cosmetic raw materials and to present no special hazards when incorporated into cosmetic preparations. Due to their surface active nature, the Cosmowaxes are irritating to the eyes as supplied. In case of contact with the eyes, flush immediately with plenty of water and seek medical advice should irritation occur and persist.

Non-warranty

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