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HAJ WAX W

INCI :Cetearyl Alcohol (and) Sodium Lauryl Sulfate

CAS:67762-27-0; 151-21-3

HAJ WAX W sets the standard for self emulsifying waxes monographed in the National Formulary. It is the premier nonionic self-emulsifying wax used in the cosmetic and pharmaceutical industries. It is a mild ingredient with a proven safety record and has been used successfully for many years.

CHEMICAL/PHYSICAL PROPERTIES

HAJ WAX W is a preparation of higher fatty alcohols and represents an emulsifier of the self-bodying type.

HAJ WAX W produces thick, solid emulsions without the addition of stiffening waxes, even at concentrations as low as 5%, although 10% may provide superior stability.

The product is suited as an anionic self-emulsifying base with consistency giving properties for the preparation of cosmetic O/W creams and lotions.

HAJ WAX W does not deteriorate on heating, experiencing only a slight alteration in color at temperatures up to 150-152°C for two hours. Under these severe conditions, it may lose 2-3% in weight with slight hardening of the wax.

FUNCTIONS

HAJ WAX W can be used to produce viscous or thin emulsions, depending upon the concentration at which it is used. At low concentrations of 2-3%, HAJ WAX W provided optimum emulsion stability supplemented with other emulsifiers.

RECOMMENDED USE LEVELS 2.0% - 10%

FORMULATING WITH HAJ WAX W

HAJ WAX W emulsions can be prepared easily by incorporating HAJ WAX W in the oil phase and then heating it and the water phase separately to 70°-80°C, once the two phases reach this temperature, the water phase is added to the oil phase in a thin stream using mechanical agitation. The emulsion is then stirred down to a temperature above the solidification point of the cream (to 30°C for a lotion). These emulsions are very stable, easy spreading systems, but can be homogenized if desired. A preservative should always be added to protect against bacterial growth.

TYPICAL PROPERTIES

Appearance	Flakes
Color	Creamy White
Odor	Mild, characteristic
pH 1% solution	6.5 - 8.0
Melting point	48-52°C (with decomposition)
Saponification Value	14.0 Max.
Hydroxyl Value	185 - 205
Iodine Value	3.5 Max
Fatty Alcohol Assay	8.7 - 10.0%

STORAGE

HAJ WAX W should be stored in a tightly closed container in a cool, dry place. Storage above 90°F may result in coagulation.

LIMITATIONS

This product is neither tested nor represented suitable for medical or pharmaceutical uses.

LIMITED WARRANTY – PLEASE READ CAREFULLY

The information contained herein is offered in good faith based on HAJ EXPORTS's research and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customers' tests to insure that Haj Exports's products are fully satisfactory for your specific applications.