



distribuito da:
ANDREA GALLO DI LUIGI S.r.l.
azienda fondata nel 1892
Via Erzelli, 9 - 16152 Genova (Italy)
Tel. 010.650.29.41
www.andreagallo.it

ESAFLOR HM22 TECHNICAL BULLETIN

ESAFLOR HM 22 is a purified hydrophobically modified hydroxypropyl guar, which performs as an excellent thickener in cosmetic formulations and as O/W emulsion stabilizer.

1. PRODUCT IDENTIFICATION

Description	: hydrophobically modified hydroxypropyl guar
INCI name	: C18-C22 Hydroxyalkyl Hydroxypropyl Guar
CAS number :	: not available
EINECS/ELINCS number	: not applicable: polymer

2. GENERAL CHARACTERISTICS

Appearance at 20°C	: free flowing powder
Colour	: beige
pH (1 % dispersion)	: 8 min.
Viscosity (1% solution, Brookfield RVT @ 20°C, 20 rpm at pH 5,5)	: 3000 - 10000 mPa*s
Moisture	: max 6 %
Total microbial count	: 500 CFU/g max

3. USE and APPLICATIONS

ESAFLOR HM 22 is a purified hydrophobically modified hydroxypropyl guar, which performs as an excellent thickener in cosmetic formulations and as O/W emulsion stabilizer. Thanks to its polymeric structure this guar derivative is compatible with the skin, leaving a soft silk feeling after application. **ESAFLOR HM 22** is completely soluble in water at room temperature. The hydrophobic modification of **ESAFLOR HM 22** increases the yield point of water based solutions, making the product suitable as suspending agent. **ESAFLOR HM 22** can be used as emulsion stabilizer in cream or cleansing milk formulations.

Use: Disperse **ESAFLOR HM 22** in water at room temperature under good stirring; viscosity develops when the pH is adjusted to 5-6. Continue stirring for 30 minutes to ensure complete solubilisation of the polymer and then add the other ingredients of the formulations and correct the pH to the desired value.

For emulsions, add **ESAFLOR HM 22** in aqueous phase, adjust the pH to 5-6 then add other ingredients.

4. SOLUBILITY

Soluble in water at room temperature (pH adjusted at 5-7); partially soluble in aqueous methanol or ethanol solutions and insoluble in paraffin oil, petroleum ether, chloroform and ethyl ether.

5. PACKAGING

25 Kg net weight paper bags with PE lining.

6. STORAGE and HANDLING

Store cool and dry in unopened container.

Shelf life: 18 months.