

ESAFLOR PFT

1. CHEMICAL DESCRIPTION

Chemical name	Guar gum, 2-hydroxypropyl 2-hydroxy-3-(trimethylammonio)propyl ether, chloride.
CAS number	71329-50-5
INCI name	Hydroxypropyl Guar Hydroxypropyltrimonium Chloride.

2. GENERAL CHARACTERISTICS

Appearance at 20°C	Powder
Dry matter, % (internal method Z0010)	min. 90%
Moisture, % (internal method Z0010)	max. 10%
pH (1% dispersion) (internal method L0278)	8.0 - 11.0

3. ADDITIONAL DATA

Excipients (i.e. preservatives, stabilizers)	Absent.
Impurities (internal method by Ionic Chromatography)	Sodium Chloride, Sodium Acetate: < 20% 2,3-Dihydroxypropyl-N-trimethylammonium chloride: < 4.0%
(GC method)	Propylene glycols (MPG and DPG): < 2.0% (Monopropylene/Dipropylene glycols)
(ICP method)	Free Boron as Boric acid: < 0.02% (In industrial use condition the product might release additional quantity of Boron.).
CHPTAC (3-Chloro-2-hydroxypropyl trimethylammonium chloride) (method by LC/MS/MS)	< 100 ppm
EPTAC (2,3-Epoxypropyltrimethylammonium chloride) (method by LC/MS/MS)	< 100 ppm
Total Heavy metals - Limit test (as Pb) (method C 2.4.8.Eu.Ph.)	< 10 ppm



(ICP method)

Arsenic (As): < 2 ppm
 Cobalt (Co): < 3 ppm
 Chromium (Cr): < 3 ppm
 Nickel (Ni): < 3 ppm
 Antimony (Sb): < 5 ppm
 Mercury (Hg): < 1 ppm
 Cadmium (Cd): < 5 ppm

Total microbial count
 (Chapter 2.6.12 Eur.Ph. latest edition)

max. 500 CFU/g (bacteria, yeasts and moulds).

Gram negative bacteria count
 (internal method, Micro 02)

< 10 CFU/g (Gram-).

4. TOXICOLOGICAL DATA

We hereby declare that the toxicological data derive from literature or are not derived from animal tests carried out for cosmetic purposes as indicated in Directive 2003/15/EC and in European Cosmetic Regulations (EC) No. 1223/2009.

Acute oral toxicity

LD50 > 5000 mg/kg/rats.*

Acute skin irritation

Not irritant.* (Shelanski and Shelanski
 Human Epicut. repeated test).

Acute eye irritation

Not eye irritant.
 Repeated and prolonged contacts may cause
 slight irritation.*

Skin sensitization

No sensitization.* (Shelanski and Shelanski
 Human Epicut. repeated test).

Mutagenicity

Ames test: negative (method OECD 471).*

May cause allergenic reactions in susceptible people by inhalation.*

*: Literature data by analogy to product with similar composition.

5. MANUFACTURING ASPECTS

Chemicals and chemical modified natural products

Inorganic raw materials

yes ☐

no ☒

based on mineral oil

yes ☐

no ☒

chemical origin raw materials

yes ☒

no ☐

vegetable origin raw materials

yes ☒

no ☐


	butyl-, propyl-, isopropyl -, isobutyl -, pentyl -, phenyl - and benzyl- parabens and their salts).
MIT (Methylisothiazolinone)	The product does not contain MIT.
Phtalates	The product does not contain Phtalates.
CMR substances	The product does not contain, as intentional ingredients, substances classified as CMR. (Carcinogenic, Mutagenic or Reprotoxic). European Cosmetic Regulations (EC) No. 1223/2009.
Allergens	The product does not contain any of twenty-six allergenic fragrances. (European Cosmetic Regulations (EC) No. 1223/2009.)
Convention on Internal Trade in Endangered Species (CITES)	The product does not contain any material derived from the CITES.
Gluten	The product does not contain Gluten.
Residual solvents	Not intentionally added and not expected.
Pesticides	Not expected from raw materials used.
Radiations	The product is not irradiated.
California Proposition 65	The product does not contain, as intentional ingredients, substances listed in California Proposition 65.
Formaldehyde	Not intentionally added and not expected.
Nitrosamines	Not intentionally added and not expected.