

SAFETY EVALUATION OF "ARGAN OIL"

1. Qualitative and Quantitative Composition of Cosmetic Product

Chemical name	Cas No	EINECS/ELINCS No.	The legal limit	%Concentration	Explanation
OLEIC ACID	112-80-1	204-007-1	No restriction	44%	Emolient, Emulsifier
LINOLENIC ACID	463-40-1		No restriction	30%	Emolient, ANTI-STATIC, CLEANING
PALMITIC ACID	57-10-3		No restriction	12%	Emulsifier, Emolient
STEARIDONIC ACID	20290-75	606-502-1	No restriction	6%	ANTI-STATIC, SURFACTANTS
LINOLEIC ACID	60-33-3		No restriction	5%	Emolient, ANTI-STATIC, CLEANING, Styling, SURFACTANTS
MYRISTIC ACID	544-63-8	208-875-2	No restriction	3%	AROMATICS, emulsifier, PERFUME, CLEANING

2. a) The physical/chemical character of cosmetic product

Physical character :	Liquid at room temperature
Colour :	Very light yellow, clear oily liquid
Fragrance :	Neutral
pH :	Neutral
Boiling point :	> 100 °C
Melting point :	60 °C
Density :	40 °C 0,910-0,920
Water solubility :	Dispersible
Other oils and solvents to dissolve :	Soluble in vegetable oils.

b) Durability/Stability Information

Conditions to Avoid:	Near the flash point high-temperature
Materials to Avoid:	Strong oxidizing agents
Dangerous Reactions	Polymerization is not likely to
Shelf life:	Min 12 months stored in nitrogen flushed containers.

Temperature	Relative humidity	Expected Duration	Result
37	50%	270	appropriate
40	65%	210	appropriate
45	75%	105	appropriate

APPEARANCE : Liquid
COLOUR : Light yellow
FRAGRANCE : Characteristic
pH VALUE : Neutral

4. Information about impurities, residues, packaging material

Transparent SAN airless packaging
The top and bottom metal parts exposed out of product contact
Package is inert so there is no product contact.

5. Normal and reasonably foreseeable usage

a) Usage

Hair, hands and feet, face, skin, nails, such as your body can be used for the various zone.

b) Frequency and usage of the product

Usage for facial

In the evenings or during the day after you wash your face with water and dried take to your finger a few drops of argan oil and perform area where you want with the slowly and oval movements.

Usage for nail care

Sufficient amounts of argan oil let it stand until 10 minutes on nail.

Will be sufficient to apply one or two times per week.

Usage for hair care

Take a few drops of argan oil in your palm and distribute gently rubbing in the hand.

With the help of oily hands and fingers apply to hair and scalp.

Usage for hand and foot care

Wash your hands with warm water and after rinse your hands take a few drops of argan oil and with the help of your fingers apply gently.

c) Conditions to avoid

Not recommended for pregnant women and children to use without consulting your doctor.

Not for use as a sunscreen. Do not store the product in the sunlight for a long time, otherwise balance of protein affected negatively . Keep under cool and dry place and tightly closed mouth.

d) Materials to avoid

Near the flash point high-temperature

6. Exposure to cosmetics product (exposure)

Application areas: hair, hands and feet, face, skin, nails

The application areas of places, touches the skin area of the product (cm²), 565

The amount of applied product (g) 1.54

Application time (product contact time): Requiring flushed product

The frequency of administration (once a day , twice a day ...), 2.14 / day

Normal and reasonably predictable routes of exposure (s);

Apply adequate amounts of oil with massage to your hair, hands, feet and face or nails.

Targeted (or exposed) persons: suitable for use over three years.

7. Exposure to cosmetics product

INCI name of material	% C/Concentration	Retention factor (1) (value of retention in the skin)	DAa(µg/cm ²)	SED(mg/kg body weight/day)
OLEIC ACID	44%	1.0	1,6	60

$$SED = \frac{DAa \left(\frac{mg}{cm^2} \right) \times 10 - \frac{3mg}{\mu g} \times SSA (cm^2) \times F (day - 1)}{60 \text{ kg}}$$

SED= 0,1612

DAa(µg/cm²) :0,8
F(day-1) :2,14
SSA :565
admitted weight of human :60 kg

8. The safety profile of the finished product movement components of cosmetic products

a) Toxicological profile of the items contained in the formula

TOXICOLOGICAL INFORMATION

Cigarette toxic products - Drug use - food grade

INHALATION

Remove to fresh air.

SKIN CONTACT

Wash thoroughly and seek medical advice.

EYE CONTACT

Washed at least 15 minutes

Safety interval (MoS) Calculation:

NO(A)ELValue : 300

SED VALUE : 0,1612

$$\text{MoS} = \frac{\text{NOAEL}}{\text{SED}} \geq 100$$

$$\text{MoS} = \frac{300}{0,1612} = 1861 \geq 100$$

INCI name of material	SED (mg/kg body weight/day)	NOAEL (mg/kg/ body weight)	MoS (NO(A)EL/SED)	Toxicological evaluation
OLEIC ACID	0,1612	300	1861	This material is non-toxic

b)Regulatory Compliance of Substances Control

Order formula of the substance	INCI name of material	Matter limit specified in the regulations	The concentration of the substance in finished products(%)	Terms of use and warnings	Whether it is appropriate
1	OLEIC ACID	YOK	44	nonexistence	appropriate

9. Adverse Effects and Serious Adverse Effects

In addition, the exposure limit is known which does not contain any substance.

10. Information of cosmetic products

RISK PHRASES: NOT CLASSIFIED

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Marrakech le, 7 Novembre 2012.