Safety Assessment Report (SAR) according to EU/1223/2009 Annex 1

PART A - Cosmetic product safety information

1. Quantitative and qualitative composition

Product composition for product "Dyotics Brow Henna - Taupe", is provided in the following table:

Product: DYOTICS BROW HENNA - Taupe							
INCI name ingredient	CAS nr.						
Aqua	7732-18-5						
Sodium Carbonate Peroxide	15630-89-4						
Cellulose Gum	9004-32-4						
P-Phenylenediamine	106-50-3						
Lawsonia Inermis Extract	83-72-7						
Citric Acid	77-92-9						
Magnesium Sulfate	7487-88-9						
Silica	7631-86-9						
p-Aminophenol	123-30-8						
Sodium Lauryl Sulfate	151-21-3						
1-Naphthol	90-15-3						
4-Amino-2-Hydroxytoluene	2835-95-2						
4-Chlororesorcinol	95-88-5						
Simmondsia Chinensis Oil	61789-91-1						
Aloe Barbadensis Leaf Extract 85507-69-3							
Exposure scenario: 0,12g powder + 15 drops of water (0,75ml)							

2. Physical/chemical characteristics and product stability

The product physico-chemical and microbiological parameters are described in table below.

SAMPLE DESCRIPTION: A sample in Sealed pouch. TEST SPECIFICATION S.NO. PARAMETERS RESULTS LIMIT OF REPORTING UNIT 01. Description Brownish Grey powder Brownish Grey Powde 02. Odour Odourless Odourless 03. Solubility soluble in wa Soluble 7.0 to 8.5 04. pH (5% soln) 7.10 0.05 05. Heavy metal < 0.05 mg/kg 06 CFU Salmonella typhi Absent Absent 07 Escherichia coli count Absent CFU Absent 08 Pseudomonas aeruginosa Absent Absent CFU CFU 09. Canddida albicans Absent Absent No. 138 Chemist

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The product stability has been evaluated in RT (25C-30C) study for 36 months.

The performed real life room temperature stability study results indicate that the product was found to be stable for 36 months and that all specified parameters fall within the acceptable deviation at all measurement points. Based on the stability study results there is no indication of product deterioration and the expected product shelf is 3 years.

3. Microbiological quality

The product is a dry powder with high content of oxidising substances, which is considered a microbiologically low risk product.

Due to the fact that the product is intended for single-use (one sachet per treatment, consumed completely after opening) there is no need for challenge test which is required for products intended for multiple use after opening.

The stability report and the manufacturing batch control ensure the required microbiological purity for this product category.

4. Impurities, traces, information about packaging material

Due to the fact that the product is in powder form, with very limited surface-contact between the product and the packaging and very low migration potential (absence of solution required for substance migration), the potential for migration of unintentional and/or unwanted contaminants from packaging into the product can be regarded as negligible.

5. Normal and reasonably foreseeable use

The product is an oxidative hair (eyebrows) dye. The product is applied on eyebrows after mixing with water ($\pm 0,1g$ of product in 1,1 ml water). The product is intended for colouring eyebrows only and is not suitable for dying eye-lashes or any other body-hair. The product is intended for professional use only.

6. Exposure to cosmetic product

Exposure to the cosmetic product is calculated based on the following parameters.

Exposure scenario: eyebrows dye		
Ammount applied	1,10	g
Application frequency	0,02	per day
Skin surface area	10,00	cm2
Skin retention	1,00	%
Percutaneous absorption	100,00	%
Average body weight (adult)	64,00	kg
Total systemic exposure	0,003	mg/kgBW/d

7. Exposure to the substances

See chapter 8.

8. Toxicological profile of individual substances

The data about the toxicological profiles of and exposure to individual substances in formulation is summarised in the attached table. The calculation based on the available toxicity data and the respective systemic exposure and dermal loads indicate that the MoS for all toxicologically relevant components is within the acceptable margins. For some of the substances other toxicologically relevant end-point data is used in stead of NOAEL values when relevant or if NOAEL values are



not established (e.g. DNEL, GRAS status, ADI or TDI values form food ingredients assessments, CIR assessments, sub chronic toxicity, etc.).

9. Undesirable effects (Cosmetovigilance)

At present no cosmetovigilance data is available yet.

10.Other relevant information for safety assessment

Oxidative hair dyes contain strongly sensitising substances. All regulated substances are formulated and used within the limits as defined in Annex III of the Eu regulation 1223/2009.

Since the product is not a standard two-component hair (eyebrows) dye, to confirm the correct interpretation of the Annex III requirements applying to product ingredients (e.g. PPD), we have inquired advise from the Dutch authorities. The Dutch authority (VWA) confirmed in writing that the assessed product (permanent powder color) can be considered as oxidative hair dye as ment in Annex III requirements and that the Annex III requirements apply to the product as applied on the hair, after mixing with water.

To verify the skin compatibility and the irritation potential of the product, the product has been clinically tested on human volunteers in a patch test to test for primary skin irritation and hypersensitivity. No evidence of any skin disorder is observed up to 48h contact time. Test report concluded that no hypersensitivity was observed on 32 persons.



PART B - Cosmetic product safety assessment

1. Assessment conclusions

This assessment has been conducted according to the requirements laid down in the cosmetic regulation No 1223/2009 as amended at the date of this assessment, and in line with the Cosmetics Europe (former COLIPA) technical guidance document for the safety assessment of cosmetic products. The undersigned consider that in the present state of knowledge and considering the general toxicological profile of the single ingredients used, their chemical structure, their reactivity and interaction with other ingredients, their level of exposure and the experimental conditions adopted, the product put on the market can be regarded as safe to human health when applied under conditions of use as instructed on the product label.

2. Mandatory labelling information and warnings related to product safety

Mandatory ingredients listing for product labelling:

Product ingredients list (INCI): DYOTICS BROW HENNA - Taupe, Honey

Sodium Carbonate Peroxide, Cellulose Gum, Henna (Lawsonia Inermis Extract), Citric Acid, Magnesium Sulfate, Silica, p-Aminophenol, P-Phenylenediamine, Sodium Lauryl Sulfate, 1-Naphthol, 4-Amino-2-Hydroxytoluene, 4-Chlororesorcinol, Simmondsia Chinensis Oil, Aloe Barbadensis Leaf Extract

Mandatory warnings:

Wear suitable gloves. Contains hydrogen peroxide. Avoid contact with eyes. Rinse immediately if product comes into contact with them. Indication of the mixing ratio.

For professional use only. This product is not intended for use on persons under the age of 16. Hair colourants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary black henna tattoos may increase your risk of allergy. Do not colour your hair if:

- you have a rash on your face or sensitive, irritated and damaged scalp,

- you have ever experienced any reaction after colouring your hair,

- you have experienced a reaction to a temporary black henna tattoo in the past.

Contains phenylenediamines.

3. Reasoning of the assessment conclusions

The assessed product, oxidative hair dye, falls under the product category which is extensively studied and evaluated for safety by SCCP. Based on the opinions published by SCCP on ingredients used in this formulation and corresponding conditions of safe use, it can be concluded that this product as formulated and as used by professional users can be regarded as safe.

The use instructions and conditions/warning for safe use are clearly indicated on the product label and included leaflets.

4. Assessor's credentials and approval of part B

Name of the qualified assessor: Drs. Zoran Gavrić

<u>Qualifications:</u> M.Sc. BioPharmaceutical Sciences, Leiden University, The Netherlands; Postgraduate Course in Dermato-Cosmetic Sciences, University of Brussels, Belgium; Post-graduate Course in Safety Assessment of Cosmetics in the EU, University of Brussels, Belgium. <u>Address and contact details:</u> Boomsluiterskade 216, 2511 VJ The Hague, The Netherlands; tel: +31-643828286, e-mail: z.gavric@regcom.nl

Date of the assessment: 19 Nov 2018

Jame Geno

COMPANY

REGULATORY

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Safety Assessment - Substances with relevant/significant systemic exposure >0,0001 mg/kgBW/day 29/10/2018								
Product name Dyotics Brow Henna - Taupe								
Product type - LEVEL 1 Product type - LEVEL 2	HAIR AND SCALP PRODUCTS			4				
Product type - LEVEL 3	Oxidative ha	ir colour product	ts					
Product type - LEVEL 4 (TRC)	Eyebrow dye	(1% availabilty f	for skin contact)	1				
		I .						
Body Weight (baby/child/adult)	64,00	kg	Woman					
Exposure scenario			Customer:	Mrs. Highbrow				
Ammount applied	1,10	g	·					
Application frequency	0,02	per day						
Skin surface area	10,00	cm2	Safety assessor:	drs. Z. Gavric MSc. Bio-Pharmaceutical Sciences, regulatory toxicologist				
Skin retention	1,00	%						
Average body weight (adult)	64.00	76 ka	Comments:	The modure is an ovidative hair dweistended for coloring the evel-rows: Evel-rows are considered as ensured hair contrary to evel ache where the econogram consult as and related restrictions consider the provinity of the even. The modure should have don the content of				
Total systemic exposure	0.003	ть mø/køRW/d	comments	The product an advantage of the product advant				
L				Wear suitable gloves. Contains hydrogen peroxide. Avoid contact with eyes. Rinse immediately if product comes into contact with them. The mixing ratio.				
				For professional use only. This product is not intended for use on persons under the age of 16.				
				Hair colourants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary black henna tattoos may increase your risk of allergy. Do not colour your hair if:				
				you nave a saron you nace o sensitive, initiated alu danaged salap, - vou have enverserienced any vection after on loading and salap,				
				- you have experienced a reaction to a temporary black henna tattoo in the past.				
				Contains phenylenediamines.				

Ingredient name (customer) >> verified into INCI name by TRC	Ingredient CAS code (customer)	Ingredient % of total (customer)	Ingredient name (INCI)	SED mg/kgBW/d	Reg Annex	CIR / GRASS / IFRA	NQAEL mg/kgBW/d	MoS or other conformity	Reference to scientific tox data / comment
1 Aqua 2 Sodium Carbonate Peroxide	7732-18-5 15630-89-4	86,2069 3,4483	AQUA SODUM CABONATE PEROXIDE	0,002586	n.a. Annes III: Hydrogen peroxide, and other compounds or mixtures that release hydrogen peroxide, includies cabmide peroxide and inc peroxide (a) Hair products: 12% of H2O2 (40 volume), present (b) Products: 12% of H2O2 (40 volume), present (b) Products: 12% of H2O2 (40 volume), present hydrogen peroxide. Area products and use only/ warning for a) and (f) Wess withle bjews. Contains hydrogen peroxide. Avoid contact with hyes. Rinse mediately if product comes into contact with them. (f) to be printed on the label: "For professional use only. Avoid contact with hyes. Rinse eyes immediately f) product comes into contact with them. Contains hydrogen peroxide."	n.a. ERACH registered, CLP classified: Acute Tox. 4 H302 Eye Dam. 1 H318	n.a. Local dermal effect (corrosion) is the most significant toxicological effect. DNEE (sin irritation / corrosion): 6,4 mg/cm2	n.a. Regonform Regonform Considered safeat this level of use and exposure (within Annex III limits)	n.a. Regulation 1223/2009 Annex III REACH registration data
3 Cellulose Gum	9004-32-4	2,7586	CELLULOSE GUM	0,000083	n.a.	CIR safe up to 20% GRAS Food additive	ADI 25 mg/kg/day, NEL 5% food 2 year; NOAEL: 3000 mg/kgbw/d	MoS = 3000/0,0001 = 3000000 Considered safe at this level of use and exposure	Amended safety assessment 03/09 - Available from CIR JACT 5(3):1-59, 1986 (original report) WHO Food additive series 50
4 P-Phenylenediamine	106-50-3	0,8276	P-PHENYLENEDIAMINE	0,000025	Anone: III: Hair dye substance in oxidative hair dye products (b) Professional use for (a) and (b): After mixing under sudative: continuous the maximum concentration applied to hair must not exceed 2% calculated as free base (b): To be printed on the label: The mixing ratio: For professional use only and the substantiation of a professional use on the substantiation mended for use on persons under the age of 15. Intended for use on persons under the age of 15. Intended for use on persons under the age of 15. Intended for use on persons under the age of 15. of allergy: Do not colour your hair it -you have earbein substantiation; mixing earbein, intertad and damaged scalp, -you have earbein experienced any reaction after colouring your hair, -you have earbein earbein to a temporary black hema attation in the past.	PPD is Anner VI isted colorant or use in hair dyes. pPhonyenedimatine is used as an ingredient of oxidative hair colouring products at annamia concentration of 4.0%, which after issuing in a 1:1 article with hydrogen percoide prior to use, corresponds to a maximal concentration of 2.0% at application to the hair. REACH registered and LCP classified. According to the harmonised classification and labeling (CLPO0) sporored by the European Union, this substance is toxic if swallowed, is toxic in concent with skin, is with long labeling text, color again (life) is very rotaci coupauch (life an allergic skin reaction.	Dermal Long-term: (DNE) 150 gyfig byd/day regeated doe toxicity Dermal Autor (JNE) 150 gyfar Samittation (Alin) Oral Long-term: (DNE) 150 gyfar byd/day repeated doe toxicity Oral repeated does NOAEL (rat): 16 mg/kg bw/day NSI: 17 5 gyfar AEL: 0.58 µg/cm2	Reg conform Considered state this level of use and exposure (within Annex III limits)	REACH registration dossier SCC/1989,100 RIVMLetter report 050012001 Reg 1223/2009 Annex III
5 Henna	83-72-7	1,5172	HENNA	0,000046	n.ı.	The plant Henna (Lawsonia inermis, family Lythraceae) is a shrub that is naturally grown or cultivated from north-east Africa to India. Mokesder Henna represents a natural material derived from dired and plant is marketed as Henna. Lawsonia inermis (Henna) is used as lab rep based on the salaning properties of one off is constituents, e.g. Lawsone. Modified Henna poducts, such as Black Henna are due as available to consumers. The content of Lawsone among various modified Henna products may vary significantly, but these products contain some ordurs: substances for modifying the intensity of the colour provided by henna alone. According to the information provided to SCCS, a representative hair dye formulation will be prepared by mixing 100g representative hair dye formulation will be perpared by mixing 100g any relidue. After cooling the mixture (mush) the bulg with 30 on id obting water. After cooling the ensister the mush is rineed of with water and the hair will be washed with a mild shampoot to eliminate any relidue. Hensiston a lawsone a firm on Jan' dye. The assessment is based on the sccles to of the opinion that the information provided is sufficient to assess the sile used 14 firms and a hair dye. The assessment is based on Dipinion on Lawsona lamming Henna) LCS9 and relate to a Lawsone divention on Lawsona lamming Henna laces of the thermark indicated under functions and uses, e.g. 100g Henna powder mixed with 300 bullong water henais is considered and applied is indicated and for the mains is considered and fighter to compositions are not covered by this assessment.	Not irritating and not sensitizing to skin. Demit penetration ratio (sis Jawone): 5,3% (wost calculated methan lefth does wess > 2000 mg/kg bus (scuto rai and demail). The NOAE, (ho Oswerd-dowers effect 1evel) of Henna Rot was 40 mg/kg bu/kg/13 wesk day rat us/us/t): the NOAE was 200 mg/kg bu/kg/sof rot he pregnant female rats and 40 mg/kg bu/day for the rat foetuses (teratogenicity study).	MoS - 40/0,00004 = 1000000 Considered safe at this level of use and exposure	SCC3/1511/13, SCC3 Opinion on Lawsonia Inermis (Henna) C109
6 Citric Acid	77-92-9	1,3793	CITRIC ACID	0,000041	n.a.	REACH registered CLP not classified CIR Safe as used <10% if the formulation pH is >3,5	not irritaitng, not sensitizing ADI unlimited, NEL 1.2 % food 2 year. NOAEL 241 mg/kgBW/day (SCCP)	MoS = 241/0,00004 = 6.025.000 Considered safe at this level of use and exposure	REACH registration data UT17(S1):1-242, 1998
7 Magnesium Sulfate	7487-88-9	1,2414	MAGNESIUM SULFATE	0,000037	n.a.	Sealuated by CIR as safe for use in cosmetics Magnesium Sulface functions as a builting agent in cosmetic products, and is being used at concentrations up to 11% and 25% in leave-on and rinse off poolucits, respectively. The CIR Speer Panel noted that the history of safe medical use of magnesium sulface indicates no significant toxic/succensor stating to systemic exposure to these ingredients. Furthermore, the extensive clinical experience of the Panel, including the results of numerous patch tests, indicates that magnesium safts do not have the potential to induce sensitization. The Panel noted that safts of sulfurica cit, such as sodium sulfate, can be irritating to the skin, so cosmetic products containing magnesium suffase should be formulated to be non-irritating. Penel COCD SIDS report evaluated that Magnesium sulfate does not present a hazard for human health due to its low hazard profile.	The oral LOSO values were 32.200 mg/kg MORAE for reproductive and development to oucity wasconsidered to be 450 mg/kg bw/day	MoS + sGV(),00004 = 11.230.000 Considered cafe at this level of use and exposure	Safet Assessment of Magnesium Sulfate as Udei n Cosmeticz 2014 ORCD SIDS INTIAL ASSESSMENT PROFILE SIAM 31, Magnesium Sulfate October 2010
8 Silica 9 p-Aminophenol	7631-86-9	0,8276	SILICA P-AMINOPHENOL	0,000025	n.a. Anne III: Hair dye substance in oxidative hair dye product: After mining under oxidative conditions the maximum concentration applied to hair must not secreed 0.9 % To be printed on the label: The musing ratio. Hair colorants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the gas of 16. Temporary black henna tattoos may increase your risk and damaged zaig. "you have ever experienced any reaction after color have ever experienced any reaction after color have performed a react ion to a temporary black henna tattoo in the past.	BACH registered CLP not classified CLP not classified CLP and classified as an expension of the second second second second second polarization of the second second second second second in classified and exploring second second second second with an avdative second second second second second second in use application. Polymorphenol is also used as an agent in the production of dyes and medicines, notably paracetamol. Based on the data provided, the SECS is of the opinion that the use of polarization paracetamol. Based on the data provided, the SECS is of the opinion that the use of the consumer, apart from its sensitising potential.	Non toxic, no DNEL tresholds defined (no hazards identified) Ora ih OxiE (ra > 5000 mg/kgbw/d Absorption through the skin. 6.9 µg/cm2 (z7.84% of applied doo3) Dermal absorption per treatment (schair dye in max allowed cox: - k00 mg NOAEL (90-d, cral, rat): 10 mg/kg bw/d Irritating, strong sensitiser	MGS Galvattion not relevant for thou established upper advesses of the level Considered safe at his level of use and exposure Reg conform Considered and at this level of use and exposure (within Annex III limits)	REACH registration data CR Safety Assessment of Silica and Related Cosmetic ingredients, 2009 SCCS/14:09/11, SCCS OPINION ON p- Aminophenol

	Ingradient name	Ingradian	Ingradient %	Ingradiant name (INC*)	SED.	Pos Annos		MOAEL	MoS or other conformity	Reference to scientific toy data / commont
"	(customer) >> verified into INCI name by TRC	(customer)	of total (customer)	ingredient name (INCI)	mg/kgBW/d	neg annex	un /unas/imA	mg/kgBW/d	ivius of other conformity	Reference to scientific tox data / comment
10	Sodium Lauryl Sulfate	151-21-3	0,6897	SODIUM LAURYL SULFATE	0,000021	n±	IREACH registered C.D. el asofiled H3D2 Jannoful i Fixaollowed H3D3 Cauces: Serious eyed amage H313 Cauces: serious eyed amage H412 Harmful to aquatic life with long lasting effects	DNEL dermä 2440 mg/kg/bw/d DNEL ind 24 mg/kg/bw/d DNEL inhalation 85 mg/m3 Untitating to skin and eyes, not semsitting NGAEL systemic (HERA) 60 mg/kg/bw/d	MoS = 60/0,00002 = 3.000.000 Considered safe at this level of use and exposure	REACH registration data JOURNAU, CPH KAMERICAN COLGEG OF TOXICCOGY Volume 2, Number 7, 1983 HIRFA assessment of Alcohol sulphates, 2002 CIR. Final Report on the Safety Assessment of Sodium Laury Sulfate and Annonium Lauryl Sulfate, 1983 re-assessed 20115
11	1-Naphthol	90-15-3	0,0690	1-NAPHTHOL	0,000002	Arone III: Hair dye oubstance in oxidative hair dye products: After raining under oxidative conditions the maximum concentration applied to hair must not exceed 2,05% To be printed on the label: Hair colorants can cause severe allergic reactions.	1 Algohthol is used in oxidative hair dye formulations at a maximum concentration of 40, which dier minist pipcially in 11 actio with hydrogen peroxide prior to use, corresponds to a concentration of 204 upon application. The SCCP is of the opinion that, apart from the risks associated with heur early a trong emission, the used 1, applicability of 20 5% on the hair dye formulations at a maximum concentration of 20 5% on the hair dye formulations at a maximum concentration of 20 5% on the hair dye formulations at a maximum concentration of 20 5% on the hair dye formulations at a maximum concentration of 20 5% on the hair dye formulations at a maximum concentration of 20 5% on the hair dye formulations at a maximum concentration of 1 Algohthol Itself has no mutagenic potential.	LISSD - Studo mg/kgbw 2.55 Aujeutos studiento f. 1 - naghthol was considered not to herinitanti to rabbit stin. Initiant effects on gewith hai nicreasing digree of eye initiani with increasing doe. 1 - naghthol is 3 - strong sensitiar: Repeated does or al (mice) NOAE: 100 mg/kg bw/daw Alternal toxisi(ry.nl. ral) KOE: 200 mg/kg bw/ Maximum absorption through the skin: 5.46 µg/cm2 (absorption rate ±15)	Reg conform Considered safe at this level of use and exposure (within Annex III limits)	SCCP(1133)07, SCCP Opinion on 1- naphthol
12	4-Amino-2-Hydroxytoluene	2835-95-2	0,0690	4-AMINO-2- HYDROXYTOLUENE	0,000002	Arnes (III: Hair dye substance in oxidative hair dye products For (a) and (b): After mixing under oxidative conditions the maximum concentration applied to hair or eydashes must not exceed 1,5% (b) For professional use only. (b) To be printed on the label: The mixing ratio. For professional use only. This product can cause severe allergic creations. Read and follow instructions. This product is not intended for use on severe allergic created 15. Temporary black hema lattoos may increase the risk of allergy. Pselashe stall tattoos may increase the risk of allergy. Pselashe stall cattoos any increase the risk of allergy. Pselashe stall damaged cite. Temporary black hema tattoos may increase the risk of allergy. Pselashe stall damaged cite. Temporary the consume: - has experienced any reaction after colouring hair or eyelable. hema tattoo in the past. Rinse eyes immediately if product comes into contact with them.	4-mino-2-hydroxytoluene is used in oxidative hair dye formulations at final concernization of 1.5%, after mixing with peroxide developer. Baed on the information provided, the SCCP is of the opinion that the use of 4-mino-2-hydroxytoluene itself as an oxidative hair dye substance at a maximum concernization of 1.5% in the finished cosmetic product (after mixing with hydrogen peroxide) does not pose ar ink to the health of the consumer, apart from its sensitising potential.	NOARE (pod crai): 180 mg/kg/bw maximum demal absorption of 3.48 µg/cm2 no relevant mutagenic potential in vivo	Reg conform Considered state this level of use and exposure (within Annex III limits)	SCCP 1001/06, SCCP Opinion on 4-Amino-2 hydroxytoluene
13	4-Chlororesorcinol	95-88-5	0,1379	4-CHLORORESORCINOL	0,000004	Annex III: Hair dye substance in oxidative hair dye products After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2.5% To be printed on the label: Hair colorants can cause severe allergic reactions.	4-Chlororesorcinol is used as a coupler in oxidative hair dye formulations. It reacts with primary intermediates to form the final dye-struft. The coupling-reaction can be accelerated by addition of an oxidiaing agent (e.g. hydrogen peroxide), but can also be achieved by air oxidation. The final concentration of 4-chlororesorcinol on head can be up to 2.5%.	NOAEL: 50 mg/kgbw/d	Reg conform Considered safe at this level of use and exposure (within Annex III limits)	SECS opinion (SECS/1224/09) on 4- chlororesorcinol
14	Simmondsia Chinensis Seed Oil	90045-98-0	0,0690	SIMMONDSIA CHINENSIS SEED OIL	0,000002	n	Simmondais Chinensis Oil Is the fined oil expressed or extracted from easies of the jolgba, Simmondais chinensis Simmondais Ohinensis (Jopba) Seed Oil Is composed animost completely (973) of wax estes of monounstructed arcsing traching that first valid and alcohola. Simmondais Chinensis (Jopba) Seed Oil Is stable and reasts oxidation. Simmondais Chinensis (Jopba) Seed Oil Is stable and reasts oxidation. Simmondais Chinensis (Jopba) Seed Oil Is stable and reasts oxidation. Chinemas and chinensis (Jopba) Seed Oil Is stable and reasts oxidation. Chinemas and Chinensis (Jopba) Seed Oil Is stable and reasts oxidation. The evaluated Simmondais Chinensis (Jopba) Seed Oil Wax, Hydrogenated Jopba Oil, Hydrolyted Jopba Steens, Isomerized Jopba Alcohol, and Synthetic Jojoba Oil as safe as used in cosmetics.	The CIR expert panel recognized that jopka old can enhance the perturbation of other inpredients through the skin (e.g. flucconsole and aminophyline). He Panel cautioned that care should be taken in formulating cosmetic products that may contain there ingredients in combination with any ingredients whose safety was based on their lack of dermal about prior data, or whom dermal there are no reports of serious accute or chronic toxicity. There are no indications of mutagenicity (Ame test).	MoS Galculation not relevant for non-hazardous substances without established upper daver effect level. Considered safe at this level of use and exposure	Citi Salety Ausestment of Simmodia Chinesis (jojoba) Seed Was, Hydrogentade GOL, Simmodia Chinesis (jojoba) Seed Was, Hydrogentade Jojoba OI, Hydrojde Jojoba Sters, Simmodia O. Linesis (Jojoba) Butter, Jojoba Alcohol, and Synthetic Jojoba OI; 2008
15	Aloe Barbadensis Leaf Extract	85507-69-3	0,0690	ALGE BARBADENSIS LEAF EXTRACT	0,000002	na.	CIR evaluated as safe as connect in greatients, if anthraquinone levels in the ingredients can one sceees 15 ppm, mm. Nac long history of safe uses as food supplement (old in health food shops) with recommended daily intake on average 25-50 m/day.	NOAEL 88 mg/kgbw/d (Based on rat studies using whole leaf powder by Matsud at a referenced in Herbal Medicine. Biomolecular and Clinical Aspects (CRC Press, Benerie at). This reference also reported that no gips of carcinogenicity were found in a 2 year rat study carried out in 2009 by Yomohira et al. NOAEL for anthraquinone free juice/gel is>1000 mg/kgbw/d	MoS = 88/0,000002 = 44.000.000 Considered safe at this level of use and exposure	UT 26(52):-50, 2007, Final assessment of Alce Barbandensist teaf Juice Herbal Medicine: Biomolecular and Clinical Aspects (CRC Press, Benzie et al)