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

# PART A - Cosmetic product safety information

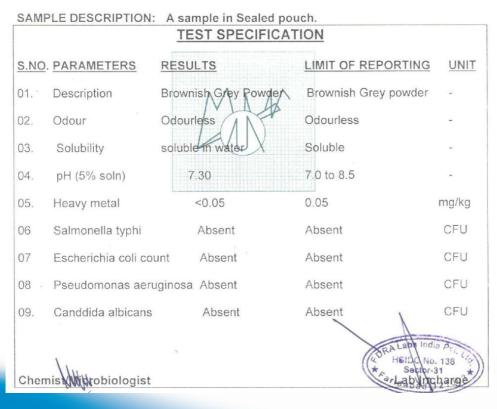
## 1. Quantitative and qualitative composition

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

Product: DYOTICS BROW HENNA - Honey							
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.



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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

Qualifications: 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 Geric

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REGULATORY

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Product name	Dyotics Brow Henna	- Honey	
Product type - LEVEL 1	HAIR AND SCALP PRO		
Product type - LEVEL 2	HAIR COLOURING PR		
Product type - LEVEL 3	Oxidative hair colour		
Product type - LEVEL 4 (TRC)	Eyebrow dye (1 % ava	ilabilty for skin contact)	
	L as as h	T has	
Body Weight (baby/child/adult)	64,00 kg	Woman	
xposure scenario		Customer:	Mrs. Highbrow
Ammount applied	1,10 g	customer.	wis rightiow
Application frequency	0,02 per day		
kin surface area	10,00 cm2	Safety assessor:	drs. Z. Gavric MSc. Bio-Pharmaceutical Sciences, regulatory toxicologist
ikin retention	1,00 %	Surcey ascessor.	un 2. durite mode du en mannacenteur percenteur, regionaler y concentrary a
Percutaneous absorption	100,00 %		
Average body weight (adult)	64,00 kg	Comments:	The product is an oxidative hair dye intended for coloring the eyebrows. Eyebrows are considered as general hair contrary to eyelashes where the exposure scenario and related restrictions consider the proximity of the eye. The product should based on the content of
Total systemic exposure	0,003 mg/kgl	sw/d	specifically Annex III regulated ingredients include following warnings:
			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 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.

8	Ingredient name (customer) >> verified into INCI name by TRC	Ingredient CAS code (customer)	Ingredient % of total (customer)		SED mg/kgBW/d	Reg Annex	CIR / GRASS / IFRA	NOAEL mg/kgBW/d	MoS or other conformity	Reference to scientific tox data / comment
	Aqua Sodium Carbonate Peroxide	7732-18-5 15630-89-4	86,2069 3,4483	AQUA SODUM CARBONATE PEROXIDE		n.a. Annes III: Hydrogen peroxide, and other compounds or mixtures that release hydrogen peroxide, including catamaide peroxide and inc. peroxide (a) Hair products: - 12% of H2O2 (40 volume), present or released (f) Products: nitended for eyelashes: -2 % of H2O2 persent or released for products: -12% of H2O2 (40 volume), present program peroxide. Avoid contact with hydrogen peroxide. Avoid contact with hydrogen peroxide. Avoid contact with them. Only Lond contact with eyes. Inise eyes immediately flordouct comes into contact with them. Contains hydrogen peroxide."	n.a. REACH registered, CLP classified: Acute Tox. 4 H302 Eye Dam. 1 H318	n.a. Local demait effect (corrosion) is the most significant toxicological effect. DNEL (sin irritation / corrosion): 6,4 mg/cm2	n.a. Regconform 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 aafe 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-Pherylerediamine	106-50-3	0,0690	P-PHENYLENEDIAMINE		Amene III: Hair dre substance in oxidative hair dre products (b) Professional use for (a) and (b): After mixing under sodative conditions 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, hair: colourants can exceed a set of the sodard set intended for use on persons under the age of 16. Intended for use on persons under the age of 15. of allergy, Do not colour your hair it. "you have earbe on your face or resistive, inritated and damaged scalp. - you have earbe on your face or resistive, inritated and damaged scalp. - you have earbe on defined and resction to a temporary black hema attatoo: m k pest.	PPD 15 Annex IV littlet colorant or use in hair dyes. openvignediamics is used as an ingredint of outdative hair colouring products at a maximul concentration of 4.0%, which after corresponds to a maximal concentration of 2.0% at application to the hair. RECAT registered and LC classified. According to the harmonised classification and labelling (CLP00) approved by the furgroup Union, this subtance is took if swallowed, is took in contact with skin, is classification and labelling (CLP00) approved by the furgroup Union, this subtance is took if swallowed, is took in contact with skin, is and infinited, we voice to aqualit this swy took to aqualit the with an infinited, we voice to aqualit this swy took to aqualit the with an allergic skin reaction.	Dermal Long-term: (DREL) 16 og Jufg byv/day repeated door toxicity Dermal Acute / Ahont Term: (DREL) 30 ng/cm <sup>2</sup> samitatiation (sikin) Oral Long-term: (DREL) 16 og Jufg byv/day repeated door toxicity Oral repeated door NOAEL (ral): 16 mg/kg bw/day NSL: 17.5 gufg/cm2 AEL: 0.58 µg/cm2	Reg conform Considered size at this level of ure and exposure (within Annex III limits)	REACH registration dossier Scc/989300 RIVM Letter report 050012001 Reg 1223/2009 Annex III
5	Henna	83-72-7	1,5172	HENNA	0,000046	ñ.k	The plant Henne I. Bursonia Jenemic, family (shrhready) is a shrub bits startarily grown cultivated from on-thead Mriat to briat. Marketed Henna regresents a natural material derived from dirid and workerel leves of the plant. Proveder classes of Lawsonia inermis plant is marketed as Henna. Lawsonia inermit (hena) is used as a shir dye based on the etaining properties of one of its constituents, e.g. Lawsone. Modified Henna poundurs, such as Black Henna are also available to consumes. The content of Lawsone among various molified Henna poducts. may vary storing significantly, but Henes are also available to consumes. The content of Lawsone among various molified Henna doubts. may vary significantly, but Henes poducts contain some other substances for modifying the hintensity of the colour provided to succonsin emiss. Said deplant poder products contains some other substances for modifying the pulp will be papeed by mising 100 g regression is most as died plant poder with 300 mil of foling water. After cooling the miture (must) the pulp will be papeed of with water and the hair will be wabed with a mild shampoot to eliminate any reduice. Diversion on Lawsonia lamers is filternal 1CB 9 and relates to a Lawsone content of max. LAY, When formulated and applied as indicated under functions and uses, e.g. Jong Henna powder inoxid with 300 dividing on Lawsonia lamers is filternal 1CB 9 and relates to a Lawsone content of max. LAY, When formulates for the consumer. Other kinds detrates of Henna 1CB 9 and relates to a Lawsone the folio generation is assessioned and applied as indicated under functions and uses, e.g. Jong Henna powder inviked with 300 million on Lawsonia lamers is filternal to the soft of the consumer.	Not in triating and not sensitiving to akin. Dermal pienetration ratio (as Lawsone): 5.7% (wost cake) The calculated median lethal dose was >2000 mg/kg bw (pactor and and dermal). The NARE, (No-Desver-Advers-Effect 1-evel) of Henna Rot vas 40 mg/kg bw/dsy (13 week day rat vady): the NADE, was 2000 mg/kg bw/dsy for the programt female rats and 40 mg/kg bw/dsy for the rat foetuses (teratogenicity study).	NoS-2 40/0,00004 = 1000000 Considered share at this level of use and exposure	SCCS/ES1/F3.SCCSOpinion on Lawsonia Inermis (Henna) C169
6	Citric Acid	77-92-9	1,5172	CITRIC ACID	0,000046	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 UT 17(S1):1-242, 1998
7	Magnesium Sulfate	7487-88-9	1,5172	MAGNESIUM SULFATE	0,000046	ñ.£	Saluade by CIB as calle for usen is convertes Magnetium Sulfer Annotations as a builting agent in cosmetic products, and is being used at concentrations up to 11% and 25% in feave-on and raines of products, respectively. The CB Expert Panel noted that the history of safe medical use of magnesium sulfate indicates no significant toxicity concentraristing to systemic exposure to these ingredients. Furthermore, the activities of the safe state is and the plan, including the results of numerous patch tests, indicates that magnesium saits do not have the potential to indicate smaller magnesium saits do not have the potential to indicate smaller. The potential test of the site option table to the constitution solution and the site of the site of the potential to indicate state magnesium saits do not have the potential to indicate smaller magnesium saits do not have the potential to indicate state magnesium saits do not have the potential to indicate smaller indicate the site of the site of the site of the process of the pro- conducide that magnesium sulfies dates in the present practices of us and concentration in cosmetics, when formulated to be non- initiating. GED 3DS report evaluated that Magnesium salifies does not present alward for human shift due to its low mail faile does not present alward for human shift due to its low mail faile does not present alward for human shift due to its low mail faile does not present alward for human shift due to its low mail faile does not present alward for human shift due to its low mail faile does not present alward for human shift due to its low mail faile does not present alward for human shift due to its low mail faile does not present alward for human shift due to its low mail faile does not present alward for human shift due to its low mail faile does not present alward for human shift due to its low mail faile does not present alward for human shift due to its low mail faile does not present alward for human human shift due to its low mail faile does not present alward	The oral 1020 unknews were 32,000 mg/kg. MRAIL for reproductive and developmental toxicity wasconsidered to be 450 mg/kg bw/day	MoS = 4400,00004 = 11,250,000 Considered asfeat this level of use and exposure	Safety Assessment of Magnetium Sulfate as Used in Cosmits. 2014 OECD SIDS INTIAL ASSESSMENT PROFILE SIAM 31, Magnesium Sulfate October 2010
8	Silica	7631-86-9	1,1034	SILICA	0,000033	n.a.	REACH registered CLP not classified CLR assessed as safe when formulated to be non-respirable.	Non toxic, no DNEL tresholds defined (no hazards identified) Oral NOAEL rat > 5000 mg/kgbw/d	MoS calculation not relevant for non-hazardous substances without established upper advers effect level of Lonsidered safe at this level of use and exposure	REACH registration data CIR Safety Assessment of Silica and Related Cosmetic Ingredients, 2009
9	p-Aminophenol	123-30-8	0,6207	P-AMINOPHENOL		Annex III: Hair dye substance in oxidative hair dye products Alter mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0.9 % To be printed on the label: The mixing ratio. Hair colorants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Therporary black hanna tattoos may increase your risk of aller gy, do not colour your hair or sensitive, initiated and poil may now face or resistive, initiated and poil may now face or resistive, initiated and poil have not poprienced any reaction after colouring your hair. -you have and no poprienced any reaction after colouring your hair.	p-Aminophenol is an oxidative hair dye precursor. It is incorporated in oxidative hair dye formulations and in the bottle on the market at a maximum concentration of 1.8 X and 1.5 picular) mixed in a 1.1 ratio with an oxidative agent the dye yraching a concentration of 0.9 K for in use application. But we are an agent in the production of dyes and medicines, notably paracetamol. Based on the data provided, the SCCS is of the opinion that the use of 0.9 K in oxidative hair dye formulations does not pose an sk to the health of the consumer, apart from its sensitising potential.	Absorption through the skin: 6.9 µg/cm2 (27.84% of applied dose) Demai absorption per treatment (as hair dye in max allowed conc. ): 4.00 mg NACAL ((0:-d, oral, 4:1) to mg/kg/bw/d Irritating, strong sensitiser		SCCS/1409/11, SCCS OPINION ON p- Aminophenol

u	Ingredient name	Ingredient	Ingredient %	Ingredient name (INCI)	SED	Reg Annex	CIR / GRASS / IFRA	NOAEL	MoS or other conformity	Reference to scientific tox data / comment
	(customer) >> verified into INCI name by TRC	CAS code (customer)	of total (customer)		mg/kgBW/d			mg/kgBW/d		
10	Sodium Lauryl Sulfate	151-21-3	0,6897	SODIUM LAURYL SULFATE	0,000021	n.a.	REACH registered CLP classified H302 teamful if availowed H313 Causes sin intritation H318 Causes serious eye damage H412 Harmful to aquatic life with long lasting effects	DNEL demai 2440 mg/kgbw/d DNEL inhaldnes (hg/bw/d DNEL inhaldnes (hg/bw/d Trittaling to skin and eyes, not senditizing NDAEL systemic (HERA)60 mg/kgbw/d	MoS = 60/0,00002 = 3.000.000 Considered safe at this level of use and exposure	REACH registration data JOURNAL OF THE AMERICAN COLLEGE OF TOXICICLOGY Volume 2, Number 7, 1983 HERA assessment of Alcohol sulphates, 2000 CIR Final Report on the Safety Assessment o Sodium Lauryl Sulfate and Ammonium Lauryl Sulfate, 1983 re-assessed 20115
11	1-Naphthol	90-15-3	0,0690	1-NAPHTHOL	0,00002	Annex III: Hair dye substance in oxidative hair dye products Mer mixing under oxidative conditions the maximum concentration applete to hair must not exceed 2.0% To be printed on the label: Hair colorants can cause severe allergic reactions.	1 Alaphthol is used in oxidative hair dye formulations at a maximum concentration of a 0%, which after mixing typically in 1:2 ratio with hydrogen perovale pirot ous, corresponds to a concentration of 20% upon application. The SCCP is of the opinion that, apart from the risks associated with the used of a strong sensitiser, the use of 1-aphthol itself in oxidative hair dye formulations at a maximum concentration of 20% on the head, does not pose any other risk to the health of the consumer. 14Aphthol Itself has no mutagenic potential.	1DSD: >1000 mg/kgbw 2.5% aqueous supersion of 1-naphthol was considered not to be initiant to rabbit skin, initiant effects on eyes unter an increasing degree of equintation with switta han increasing degree of equintation with loss 3 strong feasibility. Begendet doue card [mice] NCORE: 100 mg/kg bw/day Matemal tooicity (oral, rai) NCOE: 20 mg/kg bw Matemal tooicity (oral, rai) NCOE: 20 mg/kg bw (absorption rate 11%)	Reg conform Considered safe at this level of use and exposure (within Annex III limits)	SCCP/1123/07, SCCP Opinion on 1- naphthol
	4-Amino-2-Hydroxytoluene		0,2759	4-AMINO-2- HYDROXYTOLUENE		Anney III: Mair dye substance in oxidative hair dye product: Tor (a) and b): After mixing under oxidative conditions the maximum concentration applied to hair or eyelshee 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 several allegic receintons. Read and follow instructions. This product is not intended for use on trattoos may increase the risk of allergy. Eyelsahe shall not be coolivered the consumer: -has a rah on the face or smalltw, instructed and damaged scalp. -has experimented any reaction after colouring hair or spears my excelling the commerciant of the consumer: -has a preferenced any reaction after colouring hair or spears preferenced any reaction to temporary black homas tattoo in the past. Rine eyes immediately if product comes into contact with them.	4.Amino-2.hydroxytoluene is used in oxidative hui dye formulations at a final concentation of 1.5%, after mixing with peroxide developer. Based on the information provided, the SCC Is of the opinion that the use of a minor2-hydroxytoluene itself as an oxidative hair dye substance at a maximum concentration of 1.5% in the finished cosmetic product (after mixing with hydrogen peroxide) does not pose a rick to the health of the consumer, apart from its sensitising potential.	NGARL (pdd orai): 180 mg/tgbu animum dem aniborg(inor of 1.4 k µg/cm2 no relevant mutagenic potential in vivo	Reg conform Considered and at this level of use and exposure (within Annex III limits)	SCE7/001/06; SCEP Opinion on 4-Amino-2 hydroxytoluene
13	4-Chlororesorcinol	95-88-5	0,0690	4-CHLORORESORCINOL	0,000002	Annex III: Hair dye substance in oxidative hair dye products After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2.3% To be printed on the label: Hair colorants can cause severe allergic reactions.	4 Chlororearcinol is used as a coupler in oxidative har dye formulations. It reacts with primary intermediates to form be final dye-struft. The coupling-reaction can be accelerated by addition of an oxidiating 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)	SCCS opinion (SCCS/1224/09) on 4- chlororesorcinol
14	Simmondsia Chinensis Seed Oil	90045-98-0	0,0690	SIMMONDSA CHINENSIS	0,000002	n.a.	Simmondus Chinenis OII is the fixed oil expressed or extracted from seeds of the jobos, Simmondus Achinenis Simmondus Achinenis (Jojoba) Seed OI is composed almost completely (97%) of ware setes of monounstartacta, straght-chin fitty acids and alcohols with high molecular weights (15 6-C2B). These was ester seist principally (138%) accombinations of C2D and C22 unarratized acids and alcohols. Simmondus Chinenis (Jojoba) Seed OI is stable and resists oxidation. The amount and composition of the oil expressed from 5. Chinenis seeds varies with maturity of the seeds and somewhat with location and climate conditions surrounding the plant. CRI evaluated Simmondus Chinenis (Jojoba Seed OI, Wax, Hydrogenated Jojoba CI, Hydrolyted Jojoba Esters, Jonemized Jojoba OL, Jojoba Esters, Simmondus Chinenis (Jojoba) Sutter, Jojoba Alcohol, and Synthetic Jojoba Cli as sale as used in cometics.	enhance the penetration of other ingredients through the skin (e.g. funcanzol en and aminophylline). The Panel cautioned that care should be taken in formulating commet products that may contain these ingredients in combination with any ingredients whose safety was based on their lack of demail absorption stat, or when demail absorption was a concern. There are no reports of serious accute or chronic toxicity. There are no indications of mutagenicity	MGS Galculation not relevant for non-hazardous substances without established upper daves effect level. Considered safe at this level of use and exposure	CIR Safety Assessment of Simmondsia Chinensis (Jojcha) Seed UII, Simmondsia Chinensis (Jojcha) Seed UII, Simmondsia Chinensis (Jojcha) Cill, Jojcha Sters, Isomeriad Jojcha OII, Jojcha Sters, Simmondsia Chinensis (Jojcha) Butter, Jojoba Alcohol, and Synthetic Jojoba OII; 2008
15	Aloe Barbadensis Leaf Extract	85507-69-3	0,0690	ALOE BARBADENSIS LEAF EXTRACT	0,000002	n.a.	CIR evaluated as safe as cosmetic ingredients, if anthraquinone levels in the ingredients do not exceed 50 ppm. Hais long history of adfeu ves a food supplement (told in health food shopd) with recommended daily intake on average 25-50 ml/day.	whole leaf powder by Matsuda et al, referenced in Herbal Medicine: Biomolecular and Clinical Aspects	MoS = 88/0,000002 = 44.000.000 Considered safe at this level of use and exposure	UT 26(52):1-50, 2007, Final assessment of Aloe Barbandensis Leaf Juice Herbal Medicine: Blomolecular and Clinica Aspects (CRC Press, Benzie et al)