

Generic of Black Opium by Yves Saint Laurent  
Fine Fragrance Collection Ltd.

54807

Passed



This document addresses the requirements of EU Regulation (EC) No. 1223/2009 Article 10 in accordance with Annex I and is a statement on the safety of the cosmetic product taking into account the intended use of the cosmetic product and the anticipated systemic exposure to individual ingredients in the final formulation.

**Product name** Generic of Black Opium by Yves Saint Laurent

**Product Code** MC574 FFCL-25-MCP

**Company (Customer) Name** Fine Fragrance Collection Ltd.

**Company (Customer) Address** 1st Floor, 124 Cleveland Street, London, W1T 6PH, United Kingdom

**Company (Customer) Phone** -

**Company (Customer) Fax** -

**Company (Customer) Responsible Contact** Head Office

**Other Contact Details**

**ADSL Reference** 54807

**CPSR Passed Date** 16-04-2024 11:06:18

The product is safe for use in the stated application, and complies with EC Regulation 1223/2009. This assessment is conditional on the Responsible Person complying with the conditions in the notes and any other purity restrictions listed.

**Date and signature of safety assessor**

Signed:   
\_\_\_\_\_

Date: April 16, 2024

## PART A

### Quantitative & Qualitative Composition of the Cosmetic Product

INCI	Chemical name	CAS	EINECS	Concentration in Formulation % (w/w)
ALCOHOL DENAT.	Ethanol plus denaturant/s	N/A	N/A	65.000000%
	<b>Function</b> ANTIFOAMING ANTIMICROBIAL ASTRINGENT MASKING SOLVENT VISCOSITY CONTROLLING			
	<b>EU 2013 Regs</b> Not Controlled			
	<b>Global Regs</b>			
PARFUM	-	-	-	35.000000%
	<b>Function</b> FRAGRANCE			
	<b>EU 2013 Regs</b> -			
	<b>Global Regs</b>			

### Fragrance / Parfum Information

**Name of Fragrance** Generic of Black Opium by Yves Saint Laurent

Allergen	% Percent in fragrance	% frag in product	% allergen in product	Declare for Rinse-off	Declare for leave-on
BENZYL SALICYLATE	3.000000%	35.000000%	1.050000%	Yes	Yes
HYDROXYCITRONELLAL	0.900000%	35.000000%	0.315000%	Yes	Yes
LINALOOL	0.804000%	35.000000%	0.281400%	Yes	Yes
HEXYL CINNAMAL	0.500000%	35.000000%	0.175000%	Yes	Yes
LIMONENE	0.287000%	35.000000%	0.100450%	Yes	Yes
COUMARIN	0.200000%	35.000000%	0.070000%	Yes	Yes
CITRONELLOL	0.100000%	35.000000%	0.035000%	Yes	Yes
GERANIOL	0.090000%	35.000000%	0.031500%	Yes	Yes
CINNAMYL ALCOHOL	0.020000%	35.000000%	0.007000%	No	Yes

## Physical/Chemical Characteristics & Stability of the Cosmetic Product

<b>Physical Description of the Product</b>	Liquid
<b>Aroma</b>	AS STANDARD
<b>Colour</b>	AS STANDARD
<b>Taste</b>	N/A
<b>pH of Product</b>	N/A
<b>Viscosity</b>	N/A
<b>Specific Gravity</b>	0.847 - 0.867g/ml
<b>Stability</b>	The product has passed a 4 week stability test. Test report attached.

INCI	Physical Description	Chemical Description
ALCOHOL DENAT.	Colourless liquid with a characteristic odour.	Molecular formula: C <sub>2</sub> H <sub>6</sub> O Molar mass: 46.07 g mol <sup>-1</sup> Density: 0.789 g/cm <sup>3</sup> Melting point: -114 °C, 159 K, -173 °F Boiling point: 78.37 °C, 352 K, 173 °F log P: -0.18 includes denaturant such as methanol, isopropyl alcohol, acetone, methyl ethyl ketone, methyl isobutyl ketone, and denatonium.
PARFUM	-	-

## Microbiological Quality

**Preservative Efficacy** This product is hydroalcoholic and inherently hostile to the growth of micro-organisms. Microbial challenge testing is not required.

**Plate Count**

## Impurities, Traces & Packaging

**Description of the Packaging & Suitability for Use** All materials are suitable for the application and comply with Cosmetic Regulations 1223/2009.

**Notes of Impurities,Traces in the INCI** No impurities of concern were identified in the raw material data supplied.

## Normal & Reasonably Foreseeable Use

**Description of Intended Application & Directions for Use** EDP - to be applied to the wrists and neck.

## Exposure to the Cosmetic Product

<b>Site of Application</b>	Wrist & Neck
<b>Surface Area of Application (cm<sup>2</sup>)</b>	200
<b>Amount Applied (g) per day</b>	0.72g
<b>Duration</b>	Leave-on
<b>Frequency</b>	1/day
<b>Retention Factor</b>	1
<b>Exposure Routes</b>	Dermal (incidental ocular and oral)
<b>Target Population</b>	Adult 60kg
<b>Calculated relative daily exposure (mg/kg bw/day)</b>	12.0

Typical consumer use of the product is taken from the SCCS's Notes of Guidance and the EPA Exposure Factors Handbook

## Exposure to the Substances

INCI	Calculated Relative Daily Exposure	Concentration % (w/w)	Dermal Absorption	Systemic Exposure Dosage
ALCOHOL DENAT.	12.0	65.0%	100.0%	7.800000
PARFUM	12.0	35.0%	100.0%	4.200000

Exposure data and method of calculation taken from the SCCS's Notes of Guidance. The conventional conservative approach of assuming a dermal absorption of 100% is taken where appropriate

## Toxicological Profile of the Substances

### Local Toxicity

INCI	Eye Irritant	Skin Irritant	Skin Sensitizer	Photo Sensitizer
ALCOHOL DENAT.	Moderate	No	No	No
PARFUM	-	-	-	-

### Margin of Safety and Comments

INCI	Margin of Safety (MOS)	NOAEL	SED
ALCOHOL DENAT.	308	2400	7.800000
PARFUM	No data	No Data	4.200000

### General Safety Comments

INCI	General Safety Comments	Data Reference
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INCI	General Safety Comments	Data Reference
ALCOHOL DENAT.	<p>Alcohol, also called ethanol or ethyl alcohol, is formed by the fermentation of sugars or can be synthetically produced. It is a 2-carbon alcohol. Alcohol denat. is alcohol which has been made unpotable by a variety of substances. It is used in cosmetics and personal care products primarily to conform to import, tax, and duty requirements. Alcohol is readily absorbed by the oral and inhalation routes and subsequently, metabolized and excreted in humans. At exposures relevant to consumer exposure during use of alcohol containing products, the alcohol dehydrogenase metabolic route in the liver dominates and does not become saturated. Alcohol is not accumulated in the body. Dermal uptake of alcohol is very low. Alcohol has a low order of acute toxicity by all routes of exposure. Alcohol is widely used in topical applications and adverse effects are seldom reported. The Cosmetic Ingredient Review Expert Panel investigated a variety of the most frequently used denaturants. They determined that at the low concentrations at which they were present Alcohol Denat. denatured with t-Butyl Alcohol, Diethyl Phthalate, Methyl Alcohol, Salicylic Acid, Sodium Salicylate, and Methyl Salicylate is safe as used in cosmetic formulations with no qualifications. The available data, however, were not sufficient to support the safety of Quassin, Brucine, and Brucine Sulfate, Alcohol Denat. denatured with those denaturants, or SD Alcohol 39 and SD Alcohol 40. It is considered safe at its current use and concentration.</p>	<p>"Safety evaluation of topical applications of ethanol on the skin and inside the oral cavity", Dirk W Lachenmeier, Journal of Occupational Medicine and Toxicology 2008, 3:26 doi:10.1186/1745-6673-3-26 "OECD SIDS ETHANOL", SIDS Initial Assessment Report For SIAM 19, Berlin, Germany, 19 – 22 October 2004 "Final report of the safety assessment of Alcohol Denat., including SD Alcohol 3-A, SD Alcohol 30, SD Alcohol 39, SD Alcohol 39-B, SD Alcohol 39-C, SD Alcohol 40, SD Alcohol 40-B, and SD Alcohol 40-C, and the denaturants, Quassin, Brucine Sulfate/Brucine, and Denatonium Benzoate.", Cosmetic Ingredient Review Expert Panel, Int J Toxicol. 2008;27 Suppl 1:1-43. Absorption of Alcohol Hand Disinfectants, Prof. Axel Kramer, Institute of Hygiene and Environmental Medicine, University Hospital, Greifswald, Germany ECHA dossier for Ethanol</p>
PARFUM	The safety of perfumes and fragrances is assessed via a valid IFRA Certificate	-

## Undesirable Effects & Serious Undesirable Effects

None reported.

## Information on the Cosmetic Product

The product has been assessed and found to be compliant with the relevant regulations and standards required by:

EUROPEAN UNION: Regulation 1223/2009

UNITED KINGDOM: Regulation (EC) No 1223/2009 on Cosmetic Products, as amended by the Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019

## PART B

### Assessment conclusion

The evaluation of the data available on the product and the information about the ingredients for the claimed use do not indicate a significant risk to users that outweighs any benefits of use. The clinical data indicate very low incidence of adverse events

The product is safe for use in the stated application, and complies with EC Regulation 1223/2009. This assessment is conditional on the

Responsible Person complying with the conditions in the notes and any other purity restrictions listed.

## Labelled warnings and instructions of use

None

## Reasoning

The toxicological data given in Part A section 8 indicate that the ingredients are safe for their intended use. In general, the final product would not be considered an irritant or potential skin sensitiser if the total concentration of irritant ingredients is less than 10% and the total concentration of skin sensitisers is less than 1%. These levels are not exceeded in the product. The product does not contain any known photosensitising ingredients.

## Assessor's credentials and approval of part B

Mark Richard Bowes-Cavanagh BSc (Hons) App. Chem CSci CChem MRSC Address: Green Pastures, Totnes Road, Collaton St. Mary, Paignton, Devon, U.K

Further  
Education

1991 - 1994 University Of Plymouth. Drake Circus, Plymouth. 2nd Class BSc (HONS) - Degree in Applied Chemistry.

Specially  
Qualified In

Qualitative & quantitative analysis of Material, Bio-organic, Analytical, Environmental, Physical, Organic and Inorganic chemistry. Close liaison with industrial processes and particular attention was given on GLP and all inferences recorded. Synthetic work and analysis using FTIR, IP, GC-MS, GC, HPLC, H-NMR, ICP--MS and bioassay preparations. Final year dissertation entitled "Isothiocyanates of the Larval Cabbage Root Fly (*D.Radicum*) Attractants"

2000 - Present Advanced Development & Safety Laboratories Ltd Paignton, Devon. TQ4 7PW

Technical Director

Analysis and Signing-Off of Safety Assessments in accordance to Cosmetics Directives, EU, ASEAN, Canada and FDA and to 2013 regulations.

Presentation of new products or raw materials to customers including point of sale, including new actives from In-Cosmetics and other trade shows.

Negotiation of price points and order details with both internal departments and customers through procurement or sales.

Research & Development of new products, including sourcing of new ingredients, componentry and fragrance.

Sourcing of all packaging connected to new products, enabling product to arrive on time at third party manufacturers.

Management of bank accounts and supplier credit accounts.

Legal paperwork to enable smooth transfer of product to Far East and FDA in USA through their internal governing bodies.

Creation of website and update including ePDQ selling facility.

Collation of orders with manufacturers including Quality Control and adherence to specifications.

Organizing Trade Shows including NEC Fairs, Regional shows and Oversea Trade shows e.g. Hong Kong Beauty Show.

Consultancy with manufacturers to establish new ranges for both them and feasibility to be successful on the market.

Preparation of stability testing on all products including product compatibility.

Strategy planning for both ECL and with consultancy to clients on better systems within their organizations including training.

1999 - 2000 The Bodyline Group Plc, Paignton, Devon. TQ4 7QZ.

To keep abreast of new technology with a view to:

- introduction into existing products
- introduction into new products
- use in innovation presentations
- use in technical bulletins

Ensure that products developed by R&D are:

- Market focused
- Legal (according to claim and composition)
- Safe to use
- Stable (will not separate, discolour etc.)
- Can be manufactured consistently to specification

Assess external testing product development requirements. Ensure testing is focused, best value and accurately costed.

To liaise with customers in order to provide them with required levels of technical support, backed by the supply of all data, samples and specifications.

To liaise with outside suppliers in order to:

- find new sources of innovation
- find equivalent raw materials at competitive costs
- tested externally, where internal facilities are inadequate for the purpose
- at minimum cost

Assist as necessary in the development of the R&D budget.

Ensure R&D spending is in line with agreed budgets and that external testing is properly targeted.

Undertake succession planning within the department and ensure that sufficient developmental training takes place.

To reduce failure rate in process through managing pilot production programme and troubleshooting bulk production issues.

The management, leadership, performance management, development, recruitment and training of all staff within the function to ensure that department performance and customer service are optimised.

## Technical Manager

1999 - 2000 The Bodyline Group Plc, Paignton, Devon. TQ4 7QZ

Direct involvement with sales in initiating new projects and servicing the account.

Upgrading the company's capabilities in order to achieve ISO 9001 by March 2000.

Appearance on The Shopping Channel to promote Bodyline Products because of my technical sales skills.

Organized trade shows for Bodyline Group including, NEC Cosmetic Fair, Frankfurt show.

Operating and maintaining a discipline factory environment with close control of logistical planning.

Close liaison with technical departments of all customers to ensure product quality and safety is paramount.

Develop customer accounts to enable maximum potential for both the customer and the company.

Drive the dynamic creative engine of the company to achieve franchise Bodyline shops in Europe and Oceania.

Increase bottom line profit by efficiently programming in projects and maximizing the workforce to achieve manufacturing wages lower ever before.

Maximize output due to cash flow considerations enabling Bodyline to invest in other project ventures.

Evaluate customer requirements to measure Bodylines to achieve maximum profit margin and to enable projects capability of achieving product goal or sub-contracting to other contacts.

Close liaison with suppliers to accomplish cost saving initiatives to complete within the critical path.

Organizing meetings between departments and collaborating with managers to ensure a smooth project path.

## Research & Development Chemist

1999 - 1995 The Bodyline Group Plc, Paignton, Devon. TQ4 7QZ.

Formulated a more comprehensive range of products to promote the Bodyline range within the cost parameters and our animal testing declaration (1985).

Achieved suspensions for sophisticated skin care and innovative designs.

Produced varied emulsified systems according to customer requirements and production facilities.

Introduced new systems into the Research & Development arena to achieve high standards in conjunction with EEC directives on stability and safety of products.

Researched into most commercially used preservatives within cosmetic sector according to product, cost and customers needs.

Initiate point of sale and manufacturing information for customers on recommended applications and benefits of product.

Oversee Quality Assurance to answer customer enquiries and required contingency measures.

Evaluation of all additives in product to achieve maximum stability and safety, to prolong shelf-life.

Zeneca Environmental Laboratory, Brixham, Devon.

Work Experience in Vertebrae Laboratory monitoring temperature, pH and other environmental parameters.

Technical Manager

2010-2012 LF Beauty

To manage the team to ensure products are developed to specified standards to meet customer and company requirements ensuring that all relevant technical standards are applied.

Lead the R&D team and ensure close working relationships between R&D and key internal departments: NPD,

Process, Commercial, Purchasing

Manage workload to ensure product developments are in line with critical paths.

Member of the Royal Society Of Chemistry and a "Chartered"

Chemist and Scientist

Achievements

Member of The Society Of Cosmetic Scientists

Member of the British Toxicology Society

**Date and signature of safety assessor**



**Date:** April 16, 2024

This assessment is based on information supplied by the client, raw material manufacturers and published information in recognised authoritative sources. Whilst best endeavours have been used to check the accuracy of this information, the undersigned cannot be held responsible for any erroneous information supplied and used for preparing this assessment.

## Stability Report

Customer name: Fine Fragrances Test Reference (CT): 3545

Product name: Generic of Black Opium by Yves Saint Laurent MC number: 574

Start date: 19 February 2024 Project number: FFCL-25-MCP  
Completion Date: 19 March 2024

Microbiology: N/A

Additional Information:  
 Keep RT for Retain

### Sample Distribution

	<i>RT</i>	<i>F4°C</i>	<i>45°C</i>	<i>Cycle</i>	<i>UV</i>
<i>100ml glass jar</i>					
<i>30ml glass jar</i>	1	1	1	1	1

### KEY:

0 = No change	R = More red	T = Loss of top note
1 = Minor change	D = Darker	C = Base odour
2 = Noticeable change	Y = Yellowed	M = Off odour
3 = Major change	P = Paler	S = Separation/Creaming
	G = More grey	A = Separation/Seepage
	B = More blue	E = Blooming
		F = Clarity/Clouding
		H = Sedimentation/Precipitation

Test Conclusion			
Result:	Passed	JCD Signed:	Karis Cullum
Both the 45°C and UV samples gained an orange hue and the UV sample also lost some top note.			
Date:		Client Signed:	

Fine Fragrances

Generic of Black Opium by Yves Saint Laurent

MC574

CT3545

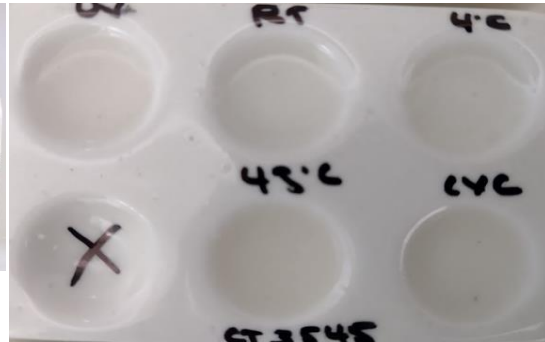
<b>Initial Readings</b>	Appearance	Clear mobile liquid
	Colour	Yellow
	Odour	Generic of Black Opium
	Temperature	22°C
	SG	0.857

Sample	Test	4 Weeks	Notes
		19/03/24	
RT	Appearance	0	
	Colour	0	
	Odour	0	
	Temperature	22.5°C	
4°C	Appearance	0	
	Colour	0	
	Odour	0	
	Temperature	22.3°C	
45°C	Appearance	0	
	Colour	Orange 1-2	
	Odour	0	
	Temperature	22.9°C	
Cycle	Appearance	0	
	Colour	0	
	Odour	0	
	Temperature	22.7°C	
UV	Appearance	0	
	Colour	Orange 1	
	Odour	0-T1	

Initial



4 Weeks after oven.



4 Weeks



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## IFRA CONFORMITY CERTIFICATE FOR INGREDIENTS

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**Product: Generic of Black Opium by Yves Saint Laurent**

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We certify that the above compound is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA - 51th Amendment / published June, 2023), provided it is used in the following category(ies) at a maximum concentration level of:

<b>IFRA category(ies)</b>	<b>Maximum level of use (%)</b>
Category 1*	0
Category 2	3.2857
Category 3	3.8000
Category 4	61.4286
Category 5.A	15.7143
Category 5.B	5.0000
Category 5.C	7.6000
Category 5.D	1.6800
Category 6*	0
Category 7.A	6.2000
Category 7.B	6.2000
Category 8	1.6800
Category 9	25.0000
Category 10.A	25.0000
Category 10.B	56.0000
Category 11.A	1.6800
Category 11.B	1.6800
Category 12	100.0000

\* Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice ([www.iofi.org](http://www.iofi.org)). For more details see chapter 1 of the Guidance for the use of IFRA Standards.

For other kinds of application or use at higher concentration levels, a new evaluation may be needed; please contact Moellhausen S.p.A.

Information about presence and concentration of fragrance ingredients subject to IFRA Standards in the fragrance mixture Generic of Black Opium by Yves Saint Laurent is as follows:

<b>Materials under the scope of IFRA Standards</b>	<b>CAS Number</b>	<b>Conc. (%)</b>
<b>DIPROPYLEN GLYCOL</b>	<b>(CAS 25265-71-8)</b>	<b>58,7999 %</b>
Categories (Category name: limit): (Category 1*: Not allowed;Category 6*: Not allowed;)		
<b>1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one</b>	<b>(CAS )</b>	<b>5,9000 %</b>
Recommendation from IFRA Standard: Restriction.		
Categories (Category name: limit): (Category 1*: Not allowed;Category 6*: Not allowed;Category 2: 1,1000 %;Category 3: 0,4100 %;Category 4: 20,0000 %;Category 5.A: 5,1000 %;Category 5.B: 0,5600 %;Category 5.C: 0,7600 %;Category 5.D: 0,1900 %;Category 7.A: 0,6700 %;Category 7.B: 0,6700 %;Category 8: 0,1900 %;Category 9: 2,4000 %;Category 10.A: 2,4000 %;Category 10.B: 6,6000 %;Category 11.A: 0,1900 %;Category 11.B: 0,1900 %;)		
<b>benzyl salicylate</b>	<b>(CAS 118-58-1)</b>	<b>3,0000 %</b>
Recommendation from IFRA Standard: Restriction.		
Categories (Category name: limit): (Category 1*: 1,3000 %;Category 2: 0,3900 %;Category 3: 7,8000 %;Category 4: 7,3000 %;Category 5.A: 1,9000 %;Category 5.B: 1,9000 %;Category 5.C: 1,9000 %;Category 5.D: 1,9000 %;Category 6*: 4,3000 %;Category 7.A: 15,0000 %;Category 7.B: 15,0000 %;Category 8: 0,7700 %;Category 9: 14,0000 %;Category 10.A: 51,0000 %;Category 10.B: 51,0000 %;Category 11.A: 28,0000 %;Category 11.B: 28,0000 %;)		
<b>Hexamethylindanopyran</b>	<b>(CAS 1222-05-5)</b>	<b>2,4040 %</b>
Recommendation from IFRA Standard: Prohibition Restriction.		
Categories (Category name: limit): (Category 1*: Not allowed;Category 6*: Not allowed;)		
<b>Hydroxycitronellal</b>	<b>(CAS 107-75-5)</b>	<b>0,9000 %</b>
Recommendation from IFRA Standard: Restriction.		
Categories (Category name: limit): (Category 1*: 0,3800 %;Category 2: 0,1100 %;Category 3: 2,3000 %;Category 4: 2,1000 %;Category 5.A: 0,5300 %;Category 5.B: 0,5300 %;Category 5.C: 0,5300 %;Category 5.D: 0,1800 %;Category 6*: 1,2000 %;Category 7.A: 1,6000 %;Category 7.B: 1,6000 %;Category 8: 0,1800 %;Category 9: 4,1000 %;Category 10.A: 0,7800 %;Category 10.B: 7,8000 %;Category 11.A: 0,1800 %;Category 11.B: 0,1800 %;)		
<b>3-METHYL-5-(2,2,3-TRIMETHYLCYCLOPENT-3-ENYL-1)PENTANOL-2</b>	<b>(CAS 65113-99-7)</b>	<b>0,8936 %</b>
Recommendation from IFRA Standard: Restriction.		
Categories (Category name: limit): (Category 1*: Not allowed;Category 6*: Not allowed;Category 2: 0,0620 %;Category 3: 1,2000 %;Category 4: 1,2000 %;Category 5.A: 0,2900 %;Category 5.B: 0,2900 %;Category 5.C: 0,2900 %;Category 5.D: 0,2900 %;Category 7.A: 2,4000 %;Category 7.B: 2,4000 %;Category 8: 0,1200 %;Category 9: 2,3000 %;Category 10.A: 8,1000 %;Category 10.B: 8,1000 %;Category 11.A: 4,5000 %;Category 11.B: 4,5000 %;)		
<b>2-Cyclododecylpropan-1-ol</b>	<b>(CAS 118562-73-5)</b>	<b>0,8500 %</b>
Categories (Category name: limit): (Category 1*: Not allowed;Category 6*: Not allowed;)		
<b>Linalool</b>	<b>(CAS 78-70-6)</b>	<b>0,8007 %</b>
Recommendation from IFRA Standard: Specification.		
Admitted		
<b>2-OCTANOLO, 3,7-DIMETIL-, 7-METOSI-</b>	<b>(CAS 41890-92-0)</b>	<b>0,6500 %</b>
Categories (Category name: limit): (Category 1*: Not allowed;Category 6*: Not allowed;)		
<b>HELIONAL</b>	<b>(CAS 1205-17-0)</b>	<b>0,6000 %</b>
Recommendation from IFRA Standard: Restriction.		
Categories (Category name: limit): (Category 1*: Not allowed;Category 6*: Not allowed;Category 2: 0,2500 %;Category 3: 0,0390 %;)		

%;Category 4: 2,6000 %;Category 5.A: 0,3900 %;Category 5.B: 0,0770 %;Category 5.C: 0,0770 %;Category 5.D: 0,0260 %;Category 7.A: 0,0770 %;Category 7.B: 0,0770 %;Category 8: 0,0260 %;Category 9: 0,1500 %;Category 10.A: 0,1500 %;Category 10.B: 0,6200 %;Category 11.A: 0,0260 %;Category 11.B: 0,0260 %;Category 12: 12,0000 %;)

**1,2,3,5,6,7-Hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one** (CAS 33704-61-9) 0,5000 %

Recommendation from IFRA Standard: Restriction.

Categories (Category name: limit): (Category 1\*: Not allowed;Category 6\*: Not allowed;Category 2: 0,2600 %;Category 3: 0,0190 %;Category 4: 3,8000 %;Category 5.A: 0,3100 %;Category 5.B: 0,0250 %;Category 5.C: 0,0380 %;Category 5.D: 0,0084 %;Category 7.A: 0,0310 %;Category 7.B: 0,0310 %;Category 8: 0,0084 %;Category 9: 0,1300 %;Category 10.A: 0,1300 %;Category 10.B: 0,2800 %;Category 11.A: 0,0084 %;Category 11.B: 0,0084 %;Category 12: 9,4000 %;)

**Methyl 2,6,10-trimethylcyclododeca-2,5,9-trienyl ketone** (CAS 144020-22-4) 0,5000 %

Recommendation from IFRA Standard: Restriction.

Categories (Category name: limit): (Category 1\*: Not allowed;Category 6\*: Not allowed;Category 2: 0,1300 %;Category 3: 0,4000 %;Category 4: 2,4000 %;Category 5.A: 0,6000 %;Category 5.B: 0,5200 %;Category 5.C: 0,6000 %;Category 5.D: 0,1700 %;Category 7.A: 0,8700 %;Category 7.B: 0,8700 %;Category 8: 0,1700 %;Category 9: 2,2000 %;Category 10.A: 2,2000 %;Category 10.B: 4,4000 %;Category 11.A: 0,1700 %;Category 11.B: 0,1700 %;)

**Hexyl cinnamal** (CAS 101-86-0) 0,5000 %

Recommendation from IFRA Standard: Restriction.

Categories (Category name: limit): (Category 1\*: Not allowed;Category 6\*: Not allowed;Category 2: 0,5300 %;Category 3: 11,0000 %;Category 4: 9,9000 %;Category 5.A: 2,5000 %;Category 5.B: 2,5000 %;Category 5.C: 2,5000 %;Category 5.D: 2,5000 %;Category 7.A: 20,0000 %;Category 7.B: 20,0000 %;Category 8: 1,0000 %;Category 9: 19,0000 %;Category 10.A: 69,0000 %;Category 10.B: 69,0000 %;Category 11.A: 38,0000 %;Category 11.B: 38,0000 %;)

**HELVETOLIDE** (CAS 141773-73-1) 0,2000 %

Categories (Category name: limit): (Category 1\*: Not allowed;Category 6\*: Not allowed;)

**Coumarin** (CAS 91-64-5) 0,2000 %

Recommendation from IFRA Standard: Restriction.

Categories (Category name: limit): (Category 1\*: 0,0890 %;Category 2: 0,0800 %;Category 3: 0,0890 %;Category 4: 1,5000 %;Category 5.A: 0,3800 %;Category 5.B: 0,1100 %;Category 5.C: 0,1600 %;Category 5.D: 0,0350 %;Category 6\*: 0,0024 %;Category 7.A: 0,1800 %;Category 7.B: 0,1800 %;Category 8: 0,0350 %;Category 9: 0,5200 %;Category 10.A: 0,5200 %;Category 10.B: 1,6000 %;Category 11.A: 0,0350 %;Category 11.B: 0,0350 %;Category 12: 33,0000 %;)

**MAYOL** (CAS 13828-37-0) 0,1600 %

Recommendation from IFRA Standard: Restriction.

Categories (Category name: limit): (Category 1\*: Not allowed;Category 6\*: Not allowed;Category 2: 0,3900 %;Category 3: 0,0990 %;Category 4: 4,7000 %;Category 5.A: 1,2000 %;Category 5.B: 0,1500 %;Category 5.C: 0,2000 %;Category 5.D: 0,0490 %;Category 7.A: 0,1300 %;Category 7.B: 0,1300 %;Category 8: 0,0490 %;Category 9: 0,3900 %;Category 10.A: 0,3900 %;Category 10.B: 1,1000 %;Category 11.A: 0,0490 %;Category 11.B: 0,0490 %;Category 12: 28,0000 %;)

**Citronellol** (CAS 106-22-9) 0,1005 %

Recommendation from IFRA Standard: Restriction.

Categories (Category name: limit): (Category 1\*: 2,2000 %;Category 2: 0,6700 %;Category 3: 13,0000 %;Category 4: 12,0000 %;Category 5.A: 3,2000 %;Category 5.B: 3,2000 %;Category 5.C: 3,2000 %;Category 5.D: 3,2000 %;Category 6\*: 7,3000 %;Category 7.A: 25,0000 %;Category 7.B: 25,0000 %;Category 8: 1,3000 %;Category 9: 24,0000 %;Category 10.A: 87,0000 %;Category 10.B: 87,0000 %;Category 11.A: 48,0000 %;Category 11.B: 48,0000 %;)

**Geraniol** (CAS 106-24-1) 0,0897 %

Recommendation from IFRA Standard: Restriction.

Categories (Category name: limit): (Category 1\*: 0,7800 %;Category 2: 0,2500 %;Category 3: 1,1000 %;Category 4: 4,7000 %;Category 5.A: 1,2000 %;Category 5.B: 0,7800 %;Category 5.C: 0,9400 %;Category 5.D: 0,2600 %;Category 6\*: 0,1600 %;Category 7.A: 0,7800 %;Category 7.B: 0,7800 %;Category 8: 0,2600 %;Category 9: 2,8000 %;Category 10.A: 1,1000 %;Category 10.B: 5,3000 %;Category 11.A: 0,2600 %;Category 11.B: 0,2600 %;)

**3-(4-TERT.BUTILFENIL)-PROPANALE** (CAS 18127-01-0) 0,0800 %

Recommendation from IFRA Standard: Restriction.

Categories (Category name: limit): (Category 1\*: Not allowed;Category 6\*: Not allowed;Category 2: 0,0250 %;Category 3: 0,0250 %;Category 4: 0,4700 %;Category 5.A: 0,1200 %;Category 5.B: 0,0290 %;Category 5.C: 0,0370 %;Category 5.D: 0,0096 %;Category 7.A: 0,0290 %;Category 7.B: 0,0290 %;Category 8: 0,0096 %;Category 9: 0,0990 %;Category 10.A: 0,0990 %;Category 10.B: 0,2400 %;Category 11.A: 0,0096 %;Category 11.B: 0,0096 %;Category 12: 6,9000 %;)

**Rose Ketones** (CAS -) 0,0700 %

Recommendation from IFRA Standard: Restriction.

Categories (Category name: limit): (Category 1\*: 0,0077 %;Category 2: 0,0023 %;Category 3: 0,0460 %;Category 4: 0,0430 %;Category 5.A: 0,0110 %;Category 5.B: 0,0110 %;Category 5.C: 0,0110 %;Category 5.D: 0,0110 %;Category 6\*: 0,0250 %;Category 7.A: 0,0880 %;Category 7.B: 0,0880 %;Category 8: 0,0045 %;Category 9: 0,0840 %;Category 10.A: 0,3000 %;Category 10.B: 0,3000 %;Category 11.A: 0,1700 %;Category 11.B: 0,1700 %;)

**3-p-Cumenyl-2-methylpropionaldehyde** (CAS 103-95-7) 0,0500 %

Recommendation from IFRA Standard: Restriction Specification.

Categories (Category name: limit): (Category 1\*: Not allowed;Category 6\*: Not allowed;Category 2: 0,1400 %;Category 3: 0,0380 %;Category 4: 0,9500 %;Category 5.A: 0,4500 %;Category 5.B: 0,0760 %;Category 5.C: 0,0760 %;Category 5.D: 0,0250 %;Category 7.A: 0,0760 %;Category 7.B: 0,0760 %;Category 8: 0,0250 %;Category 9: 0,2300 %;Category 10.A: 0,2300 %;Category 10.B: 0,7200 %;Category 11.A: 0,0250 %;Category 11.B: 0,0250 %;Category 12: 16,0000 %;)

**3-METIL-PENTADEC-4(5)-ENONE** (CAS 82356-51-2) 0,0500 %

Categories (Category name: limit): (Category 1\*: Not allowed;Category 6\*: Not allowed;)

**(3R-(3a,3ab,7b,8aa))-2,3,4,7,8,8a-Hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene** (CAS 469-61-4) 0,0436 %

Recommendation from IFRA Standard: Restriction.

Categories (Category name: limit): (Category 1\*: 0,2700 %;Category 2: 0,0800 %;Category 3: 1,6000 %;Category 4: 1,5000 %;Category 5.A: 0,3800 %;Category 5.B: 0,3800 %;Category 5.C: 0,3800 %;Category 5.D: 0,3800 %;Category 6\*: 0,8800 %;Category 7.A: 3,1000 %;Category 7.B: 3,1000 %;Category 8: 0,1600 %;Category 9: 2,9000 %;Category 10.A: 11,0000 %;Category 10.B: 11,0000 %;Category 11.A: 5,8000 %;Category 11.B: 5,8000 %;)

**Cinnamyl alcohol** (CAS 104-54-1) 0,0200 %

Recommendation from IFRA Standard: Restriction.

Categories (Category name: limit): (Category 1\*: 0,2200 %;Category 2: 0,0670 %;Category 3: 0,2500 %;Category 4: 1,2000 %;Category 5.A: 0,3200 %;Category 5.B: 0,2500 %;Category 5.C: 0,2500 %;Category 5.D: 0,0850 %;Category 6\*: 0,1300 %;Category 7.A: 0,2500 %;Category 7.B: 0,2500 %;Category 8: 0,0850 %;Category 9: 0,7600 %;Category 10.A: 0,7600 %;Category 10.B: 2,0000 %;Category 11.A: 0,0850 %;Category 11.B: 0,0850 %;Category 12: 51,0000 %;)

**ANISALDEHYDE** (CAS 123-11-5) 0,0200 %

Categories (Category name: limit): (Category 1\*: 0,2300 %;Category 2: 0,0800 %;Category 3: 0,1400 %;Category 4: 1,4000 %;Category 5.A: 0,3800 %;Category 5.B: 0,0930 %;Category 5.C: 0,1400 %;Category 5.D: 0,0310 %;Category 6\*: 0,0470 %;Category 7.A: 0,1400 %;Category 7.B: 0,1400 %;Category 8: 0,0310 %;Category 9: 0,4200 %;Category 10.A: 0,1900 %;Category 10.B: 1,1000 %;Category 11.A: 0,0310 %;Category 11.B: 0,0310 %;Category 12: 31,0000 %;)

**1,2,2-TRIMETIL-4-(2,2,3-TRIMETILCICLOPENT-3-ENIL-1)BUT-3-ENOLO-1** (CAS 107898-54-4) 0,0156 %

Recommendation from IFRA Standard: Restriction.

Categories (Category name: limit): (Category 1\*: Not allowed;Category 6\*: Not allowed;Category 2: 0,0570 %;Category 3: 0,2500 %;Category 4: 1,1000 %;Category 5.A: 0,2700 %;Category 5.B: 0,2700 %;Category 5.C: 0,2700 %;Category 5.D: 0,0910 %;Category 7.A: 0,6300 %;Category 7.B: 0,6300 %;Category 8: 0,0910 %;Category 9: 1,7000 %;Category 10.A: 1,7000 %;Category 10.B: 4,0000 %;Category 11.A: 0,0910 %;Category 11.B: 0,0910 %;)

**JASMINE ABSOL. EGYPT** (CAS 8022-96-6) 0,0050 %

Recommendation from IFRA Standard: Restriction.

Categories (Category name: limit): (Category 1\*: 0,1100 %;Category 2: 0,0320 %;Category 3: 0,6500 %;Category 4: 0,6000 %;Category 5.A: 0,1500 %;Category 5.B: 0,1500 %;Category 5.C: 0,1500 %;Category 5.D: 0,1500 %;Category 6\*: 0,3500 %;Category 7.A: 1,2000 %;Category 7.B: 1,2000 %;Category 8: 0,0630 %;Category 9: 1,2000 %;Category 10.A: 4,2000 %;Category 10.B: 4,2000 %;Category 11.A: 2,3000 %;Category 11.B: 2,3000 %;)

**alpha, beta,2,2,6-Pentamethylcyclohexanepropanol** (CAS 60241-53-4) 0,0029 %

Categories (Category name: limit): (Category 1\*: Not allowed;Category 6\*: Not allowed;Category 2: 0,0710 %;Category 3: 1,4000 %;Category 4: 1,3000 %;Category 5.A: 0,3400 %;Category 5.B: 0,3400 %;Category 5.C: 0,0960 %;Category 5.D: 0,0320 %;Category 7.A: 2,7000 %;Category 7.B: 2,7000 %;Category 8: 0,0320 %;Category 9: 2,6000 %;Category 10.A: 3,4000 %;Category 10.B: 9,3000 %;Category 11.A: 0,0320 %;Category 11.B: 0,0320 %;)

#### LIFFAROME - VERTELIONE

(CAS 67633-96-9)

0,0020 %

Recommendation from IFRA Standard: Restriction.

Categories (Category name: limit): (Category 1\*: Not allowed;Category 6\*: Not allowed;Category 2: 0,0300 %;Category 3: 0,6000 %;Category 4: 0,5600 %;Category 5.A: 0,1400 %;Category 5.B: 0,1400 %;Category 5.C: 0,1400 %;Category 5.D: 0,0470 %;Category 7.A: 1,1000 %;Category 7.B: 1,1000 %;Category 8: 0,0470 %;Category 9: 1,1000 %;Category 10.A: 3,9000 %;Category 10.B: 3,9000 %;Category 11.A: 0,0470 %;Category 11.B: 0,0470 %;)

## Intrinsic properties

### Dermal sensitization

Benzyl salicylate	(CAS 118-58-1 )
Hydroxycitronellal	(CAS 107-75-5 )
SANDALOREX	(CAS 65113-99-7 )
LINALOOL	(CAS 78-70-6 )
HELIONAL	(CAS 1205-17-0 )
CASHMERAN	(CAS 33704-61-9 )
alpha-Hexylcinnamaldehyde	(CAS 101-86-0 )
TRIMOFIX	(CAS 144020-22-4 )
COUMARINE	(CAS 91-64-5 )
MAYOL	(CAS 13828-37-0 )
CITRONELLOL	(CAS 106-22-9 )
Geraniol	(CAS 106-24-1 )
BOURGEONAL	(CAS 18127-01-0 )
ROSE KETONES	(CAS - )
CYCLAMEN ALDEHYDE	(CAS 103-95-7 )
CEDRENE	(CAS 469-61-4 )
Cinnamyl alcohol	(CAS 104-54-1 )
ANISALDEHYDE	(CAS 123-11-5 )
SUPERSANTOL	(CAS 107898-54-4 )
JASMINE ABSOL. EGYPT	(CAS 8022-96-6 )
MADRASAL	(CAS 60241-53-4 )
LIFFAROME - VERTELIONE	(CAS 67633-96-9 )

### Systemic toxicity

Hydroxycitronellal	(CAS 107-75-5 )
HELIONAL	(CAS 1205-17-0 )
CASHMERAN	(CAS 33704-61-9 )
TRIMOFIX	(CAS 144020-22-4 )
COUMARINE	(CAS 91-64-5 )
MAYOL	(CAS 13828-37-0 )
Geraniol	(CAS 106-24-1 )
BOURGEONAL	(CAS 18127-01-0 )
CYCLAMEN ALDEHYDE	(CAS 103-95-7 )
Cinnamyl alcohol	(CAS 104-54-1 )
ANISALDEHYDE	(CAS 123-11-5 )
SUPERSANTOL	(CAS 107898-54-4 )
MADRASAL	(CAS 60241-53-4 )
LIFFAROME - VERTELIONE	(CAS 67633-96-9 )

## Groups of specific substances

### Carcinogenic Substances

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HELIONAL (CAS 1205-17-0 )  
MUSK KETONE (CAS 81-14-1 )

### CPNP Substances

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DIPROPYLEN GLYCOL (CAS 25265-71-8 )

### Macrocyclic Musks

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AMBRETTOLIDE (CAS 28645-51-4 )  
MUSCENONE (CAS 82356-51-2 )  
MUSCONE (CAS 541-91-3 )

### Nitro Musks

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MUSK KETONE (CAS 81-14-1 )

### Polycyclic Musks

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MUSK S PURE (CAS 1222-05-5 )  
CASHMERAN (CAS 33704-61-9 )

### Specified Substances

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LINALOOL (CAS 78-70-6 )  
MUSK KETONE (CAS 81-14-1 )

Detection limit 0.001%

The IFRA Standards regarding use restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

Evaluation of individual Fragrance ingredients is made according to the safety standards contained in the relevant section of the IFRA Code of Practice.

It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance) by further testing if need be.

MOELLHAUSEN spa  
Regulatory Affairs Dept.

Signature  
(if generated electronically, no signature)

Date  
1/2/2024

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## IFRA standard categories by product type

IFRA category	Product type
Category 1*	Children's toys; lip products of all types (solid and liquid lipsticks, balms, cream or colored, etc).
Category 2	Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deo-cologne, etc.); Body sprays (including body mist)..
Category 3	Products applied to the face/body using finger tips; Body and face paint (for children and adults); Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer; Facial make up and foundation; Facial masks for face and around the eyes; Make-up remover for face and eyes; Wipes or refreshing tissues for face, neck, hands, body; Nose pores strips;.
Category 4	Products related to fine fragrance; Fragranced bracelets; Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, aftershaves of all types, etc.), aftershaves of all types (except creams and balms); Ingredients of perfume kits and fragrance mixtures for cosmetic kits; Scent pads, foil packs; Scent strips for hydroalcoholic products..
Category 5.A	Body lotion products applied to the face/body using hands (palms), primarily leave-on; All powders and talc (excluding baby powders and talc); Body creams, oils, lotions of all types; Foot care products (creams and powders); Insect repellent (intended to be applied to the skin);.
Category 5.B	Face moisturizer products applied to the face/body using hands (palms), primarily leave-on; Facial moisturizers and creams (including care products for beard and mustache); Facial toner;.
Category 5.C	Hand cream products applied to the face/body using hands (palms), primarily leave-on; Hand cream; Hand sanitizers; Nail care products including cuticle creams, nail lacquer remover, etc..
Category 5.D	Baby creams/lotion, baby oil, baby powder and talc;.
Category 6*	Products with oral and lip exposure: Mouthwash, including breath sprays; Toothpaste; Toothpowder, strips, mouthwash tablets.
Category 7.A	Rinse-off hair permanent or other hair chemical treatments (e.g. relaxers), excluding hair dyes: Hair permanent or other hair chemical treatments (rinse-off) (e.g., relaxers), including rinse-off hair dyes;.
Category 7.B	Products applied to the hair with some hand contact (including hair dyes and excluding other rinse off): Hair deodorizer, hair perfume; Hair permanent or other hair chemical treatments (leave-on) (e.g., relaxers), including leave-on hair dyes; Hair sprays of all types (pumps, aerosol sprays, etc.); Hair styling aids non sprays (mousse, gels, leave-on conditioners); Shampoo - Dry (waterless shampoo)..
Category 8	Products with significant ano-genital exposure: Baby wipes; Intimate wipes; Intimate deodorant spray; tampons; Toilet paper (wet)..
Category 9	Products with body and hand exposure, primarily rinse off: All depilatories (including facial) and waxes for mechanical hair removal; Baby wash, bath, shampoo; bar soap; Bath gels, foams, mousses, salts, oils and other products added to bathwater (such as bath bombs); Body washes and shower gels of all types; Cleanser for face (rinse-off); Conditioner (rinse-off); Foot care products (feet are placed in a bath for soaking); Liquid soap; Shampoo of all types; Shampoo for pets; Shaving creams of all types (stick, gels, foams, etc.)..
Category 10.A	Household care products excluding aerosols; Dry cleaning kits (involving manual application on the textile); Fabric softeners of all types excluding fabric softener sheets; Floor wax; Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc.; Hand dishwashing detergent (including concentrates); Hand wash laundry detergent (including concentrates); Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.); Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g., starch

sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics); Ironing water (Odorized distilled water); Laundry pre-treatment of all types (e.g., paste, sprays, sticks); Machine laundry detergents with skin contact (e.g., liquids, powders) including concentrates; Toilet seat wipes;

Category 10.B	Household aerosol/spray products: Aerosol/spray insecticides; Air freshener sprays, manual, including aerosol and pump; Animal sprays – sprays applied to animals of all types;
Category 11.A	Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate - phototoxicity is unapplicable: Baby diapers; Feminine hygiene conventional pads, liners, interlabial pads; Incontinence pant, pad; Toilet paper (dry);
Category 11.B	Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate - phototoxicity is applicable: Facial masks (paper/protective) e.g., surgical masks not used as medical device; Facial tissue (dry tissue); Fertilizers, solid (pellet or powder); Napkins; paper towels; Pillow spray; Scented socks, gloves; Tights with moisturizers; Wheat bags..
Category 12	Products not intended for skin contact, minimal or insignificant transfer to skin: Air delivery systems; Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals); Candles of all types (including encased); Cat litter; Cell phone cases; Deodorizers/maskers not intended for skin contact (e.g., fabric drying machine deodorizers, carpet powders); Dishwash detergent and deodorizers – for machine wash; Dry cleaning kits (placed in the dryer); Dryer sheets and fabric softener sheets; Fuels; Insecticides (e.g., mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays; Joss sticks or incense sticks; Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods); Olfactive board games; Paints; Plastic articles (excluding toys); Rim blocks (Toilet); Scent beads; Scent delivery system (using dry air technology); Scent pack; Scratch and sniff; Shoe polishes; Toilet gel;