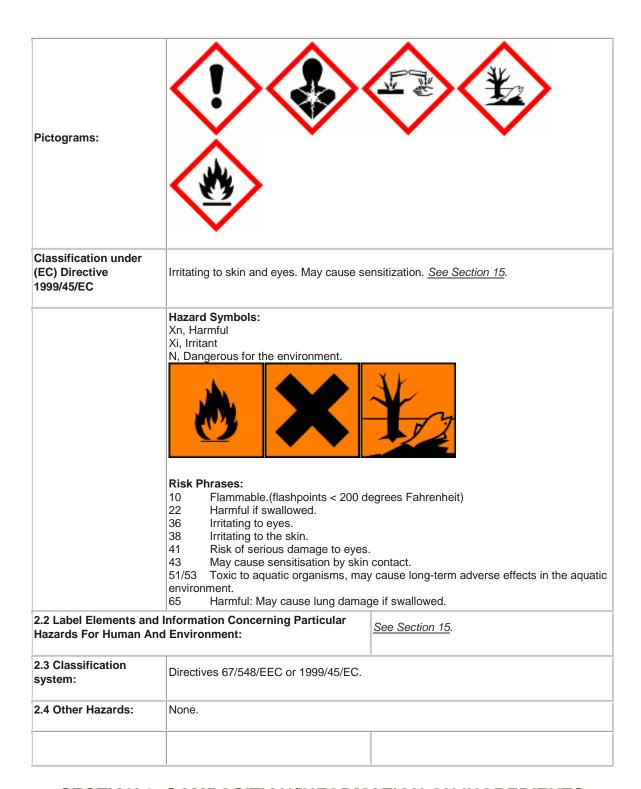
MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT IDENTIFIER

1.1 Product Identifier	Blue Spruce - INCI: Fragrance
Harmonization Codes HS:	330129 Other Essential Oils 330290 Other Mixtures of Odoriferous Substances 330300 Perfumes and Toilet Waters 330730 Perfumed Bath Salts and Other Bath Preparations 330741 Agarbatti and Other Odoriferous Preparations Which Operate By Burning 330749 Other Preparations for Perfuming or Deodorizing Rooms 330790 Depilatories, Other Perfumery, Cosmetic or Toilet Preparations
1.2 Product Uses and Uses Advised Against:	Use in Fragrance Products. Do Not Use: in Food Products.
1.3 Emergency Telephone Number:	In case of emergency phone +1 (718) 858-7422 outside office hours, your local Emergency Room. IF SWALLOWED CALL YOUR POISON CONTROL CENTER AT 1-800-222-1222.

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture in accordance with paragraph (d) of §1910.1200;	This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulations(s) noted below and account for extreme concentration.	
Classification under (EC) Regulation No. 1272/2008	Flammable Liquids, Category 3 Acute Toxicity Oral, Category 5 Aspiration Hazard, Category 1 Acute Toxicity Dermal, Category 5 Skin Corrosion/Irritation, Category 2 Skin Sensitization Category 1B Eye Damage/Irritation, Category 1 Acute Toxicity Inhalation, Category 5 Acute Chronic Toxicity, Category 1 Hazardous to the Aquatic Environment (Acute): Hazard Category 1 Hazardous to the Aquatic Environment (Long-term): Hazard Category 2	H226: Flammable liquid and vapor. H303: May be harmful if swallowed. H304: May be fatal if swallowed and enters airways. H313: May be harmful in contact with skin. H315: Causes skin irritation. H317: May cause an allergic reaction. H318: Causes serious eye damage. H333: May be harmful if inhaled. H410: Very toxic to aquatic life with long lasting effects.



SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical Characterization Description: A mixture of fragrance chemicals and/or essentials oils and isolates.3.2 Dangerous Components:

R Phrase: Classification

<u>for</u>

Level Nr Nr Substance

(DSD) 67/548/EEC

Classification for LD50/ATE LD50/ATE Inhalation (CLP) 1272/2008 <u>Oral</u>

Dermal

LC50/ATE

Route

See Section 16 for components:

Substances with Community workplace exposure limits, not listed above: Not Applicable Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:

Not Applicable

Additional information: For the wording of the listed risk phrases refer to Section 15.

The specific chemical identity and/or exact percentrage (concentration) of composition has been withheld as a trade secret is required.

SECTION 4. FIRST AID MEASURES

4.1 Description	on Of First Aid Measures
Inhalation:	This material does not present a hazard if inhaled. Remove individual to fresh air and keep at rest in a position comfortable for breathing; as a precautionary measure. Consult a doctor in case of complaints.
Skin Contact:	Immediately wash with soap and water and rinse thoroughly. Remove soiled clothing. Then consult a doctor.
Eye Contact:	Immediately rinse opened eye for several minutes under running water. Rinse cautiously for several minutes, retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Remove contact lenses, if present and easy to do. Continue rinsing. Then consult a doctor.
Swallowing:	Rinse mouth, then make victim drink plenty of water; avoid vomiting (risk of perforation!). Immediately call a doctor. Do not attempt to neutralize.
4.2 Most Imp	ortant Symptoms And Effects (Acute or Delayed)
	rritation. allergic reaction. us eye damage.
4.3 Indication Of Any Immediate Medical Attention And Special Treatment Needed	
None expecte	d, see Section 4.1 for further information.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Agents:	Combustible at elevated temperatures. Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray when fighting first - CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire-extinguishing methods suitable to surrounding conditions. Water or foam may cause frothing if liquid is burning
	suitable to surrounding conditions. Water of loan may cause nothing it liquid is burning

	but it still may be a useful extinguishing agent if carefully applied to the fire. Do not direct a water stream directly into the hot burning liquid.
5.2 Special Hazards Caused By The Substance, Its Products Of Combustion Or Resulting Gases:	Material may be ignited if preheated to temperatures above the flash point in the presence of a source of ignition. In case of fire, the following can be released: Hazardous vapors, Carbon Dioxide, Carbon Monoxide
5.3 Protective Methods And Equipment For Firefighting:	Do not enter fire area without proper protection including self-contained breathing apparatus, respiratory protective equipment and full protective suit/equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.
5.4 Additional Information:	N/A

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Person-Related Safety Precautions:	Isolate spillage and clean up immediately. Avoid inhalation. Avoid contact with skin and eyes. Refer to <u>Section 7</u> & <u>Section 8</u> for protective measures when handling the spillage.
6.2 Measures For Environmental Protection:	Do not allow liquid to enter drains, surface and ground water, and soil.
6.3 Measures For Cleaning/Collecting:	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of according to local regulations and according to <u>Section 13</u> . Rinse off area with water.
6.4 Reference To Other Sections:	Also refer to <u>Section 8</u> and <u>Section 13</u> .

SECTION 7. HANDLING AND STORAGE

7.1 Precautions For Safe Handling:	Observe the general safety regulations when handling chemicals. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Avoid inhalation. Keep away from heat, sparks, open flames and hot surfaces No smoking. Do not eat, drink or smoke when using this product. Avoid contact with the eyes, skin and mucous membranes.
7.2 Storage:	Store in original container at or below 25°C. Store in a well ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion -proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
7.3 Requirements To Be Met By Storerooms And Receptacles:	Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.4 Specific End Use(s):	Use in accordance with good manufacturing and industrial hygiene practices.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

3.1 Control Parameters	
Ingredients With Limit Values That Require Monitoring In The Workplace:	None.
Additional Information:	N/A
8.2 Exposure Controls	
Personal Protective Equipment:	Wear protective gloves/eye protection/face protection.
Respiratory Protection:	Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapor, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimize exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapor cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material. Also refer to <u>Sections 2</u> and <u>Section 7</u> .
General Protective And Hygienic Measures:	Follow Good Laboratory and Manufacturing Practices (GLP/GMP). Wash hands before breaks and at the end of work.
Protection Of Hands:	Disposable gloves Material of gloves: Latex/Natural rubber (NR)/Nitrile Penetration time of glove material: Gloves providing minimal protection are sufficient when the product is handled in accordance with the instructions for use.
Eye Protection:	Safety glasses
Body Protection:	Lab Coat
Respiratory Protection:	NIOSH-approved organic vapor respiration or equivalent.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES General Information

Appearance/Form:	Liquid
Color:	Clear to Brown
Odor:	To match standard. Scent character: A Mobile Liquid with odor. Our interpretation of this masculine woody scent.
Change In Condition	

Melting Point/Melting Range:	Not determined
Boiling Point/Boiling Range:	Not determined
Flashpoint (°F):	149° F
Self-Igniting:	Will not self-ignite.
Danger Of Explosion:	Does not present an explosion hazard.
Vapor Pressure:	>0.0009 mm Hg @ 20°C
Density at 25°C:	0.975-1.2 g/cc
Solubility In/Miscibility With Water:	No
pH-value At 20°C:	Not determined
Octonol/Water Partition Coefficient:	4.1 - 9.3 at 25°C 4.7
Volatiles, % By Weight:	5.1-6.7
Bulk Density:	321.8 - 410.1
Other Information:	None.

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Presents no significant reactivity hazard, by itself, or in contact with water.
Stability:	Stable when stored in accordance with the recommended storage conditions.
Materials To Be Avoided:	Avoid contact with strong acids, alkalis or oxidizing agents.
Hazardous Reactions:	No dangerous reactions known. Not expected under normal conditions of use.
Conditions To Avoid:	Avoid extreme heat.
Hazardous Decomposition Products:	CO2, CO

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information On Toxicological Effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC, in accordance with Regulation (EC) No 1907/2006 (REACH). In addition, toxicity information for the mixture, if available, is provided below in accordance with methods given in Regulation (EC) No 1272/2008.

Acute Toxicity (LD/LC50) Values Relevant For Classification::	Calculated LD50: 1.2 - 1.7 g/kg				
Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity:	3471.45 - 4209.26				
Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity:	9398.1 - 14159.34				
Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity:	Not available				
Inhalation Route:	Not available				
Primary Effects:	After skin contact: Irritation. Chronic exposure may cause damage to skin and kidneys. After eye contact: Irritation After ingestion: Nausea Sensitization: May occur on skin contact.				
Information about hazardous ingredients in	the mixture:				
CAS Nr EC Nr Substance	LC50/ATE LD50/ATE LD50/ATE Inhalation Cral Dermal LC50 Route				
See <u>Section 16</u> for compone	nts:				

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. See <u>Section 15</u> .
12.2 Persistence And Degradability:	Not determined.
12.3 Bioaccumulative Potential:	Not determined.
12.4 Mobility In Soil:	Not determined.
12.5 Results of PBT and vPvB Assessment:	This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
12.6 Other Adverse Effects:	Not determined.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Product:	Chemical residues and remains should be routinely handled as special waste. This must be disposed of incompliance with anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.
13.2 European Waste Catalogue:	07 07 04 other organic solvents, washing liquids and mother liquors
13.3 Packaging:	Disposal must be made in accordance with local waste management regulations. Contaminated packaging must be disposed of in the same manner as the product. Non-contaminated packaging materials may be recycled. Contact your local service providers for further information.
13.4 Disposal Methods:	DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State, Provincial, and local laws and regulations. Regulations vary in different locations. Waste characterizations and compliance with applicable laws are the sole responsibility of the waste generator. As your supplier, we have no control over the management practices or manufacturing processes of parties handling or using this material. The information presented here pertains only to the product when used as intended, according to this Safety Date Sheet. For unused and uncontaminated product, the preferred options include sending to a licensed and permitted incinerator or other thermal destruction device. Various federal, state or provincial agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be covered in the Safety Data Sheet. The user shall have to review these regulations to ensure full compliance with all applicable regulations.

SECTION 14. TRANSPORTATION INFORMATION

14.1 UN number:	UN3082
14.2 UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Flashpoint (°F):	149°F.
14.3 Transport Hazard Class(es):	9: 100-140°F (Flammable), 3A: 140-200°F (Combustible). 3B: >200°F (Not Regulated)
	Road/Rail (CDGRR ADR, RID): Not Restricted Air (ICAO/IATA): Not Restricted: Flashpoints > 200°F (International), Not Restricted: Flashpoints > 140°F (in United States) Sea (IMDG): Not Restricted
Sub Risk:	-
14.4. Packing Group:	III
14.5 Environmental Hazards:	This is an environmentally hazardous substance.
14.6 Special precautions for user:	None additional
14.7 Transport In Bulk According To Annex II Of	Not applicable

SECTION 15. REGULATORY INFORMATION

15.1 TSCA Status & Safety, Health And Environmental Regulations/Legislation Specific For The Substance Or Mixture:	All components in this product are on the TSCA Inventory. None Additional.				
15.2 Chemical Safety Assessment	A Chemical Safety Assessment has not been carried out for this product.				
15.3 Labeling According To EU Guidelines:	Code letter and hazard designation of product: Xi, Irritant Xn, Harmful N, Dangerous for the environment				
15.4 Hazard-Determining Components Of Labeling:	See <u>Section 3</u>				
15.5 Risk Phrases(R):	10 Flammable. 22 Harmful if swallowed. 36 Irritating to eyes. 38 Irritating to the skin. 41 Risk of serious damage to eyes. 43 May cause sensitization by skin contact. 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 65 Harmful: may cause lung damage if swallowed.				
15.6 Safety Phrases(S):	02 Keep out of reach of children. 24 Avoid contact with skin. 25 Avoid contact with eyes. 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 36 Wear suitable protective clothing. 39 Wear eye/face protection. 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). 61 Avoid release to the environment. Refer to special instructions/safety data sheets.				
15.7 Class And Category Of Danger:	Flammable Liquid: Hazard Category 3 Skin Corrosion: Category 1 Skin Irritation: Category 1 Eye Damage: Category 1 Eye Irritation: Category 1 Skin Sensitization: Category 1 Hazardous to the Aquatic Environment (Acute): Hazard Category 1 Hazardous to the Aquatic Environment (Long-term): Hazard Category 2				
15.8 Signal Word:	Warning, Danger				
15. 9 Hazard Phrases(H):	226 Flammable liquid and vapour. 303 May be harmful if swallowed. 304 May be fatal if swallowed and enters airways. 313 Maybe be harmful in contact with skin. 315 Causes skin irritation.				

	317 May cause an allergic skin reaction.
	318 Causes serious eye damage.
	333 May be harmful if inhaled.
	Very toxic to aquatic life with long lasting effects.
	Harmful to aquatic life with long lasting effects.
	No Animal testing. No animal products or byproducts are used in this fragrance.
Supplemental Information:	May produce an allergic reaction.
Precautionary	210 Keep away from heat, sparks, open flames and hot surfaces No
Statements(P):	smoking.
	233 Keep container tightly closed.
	240 Ground/bond container and receiving equipment.
	241 Use explosion-proof electrical ventilating and lighting equipment.
	242 Use only non-sparking tools.
	243 Take precautionary measures against static discharge.
	261 Do not breathe vapour or dust.
	264 Wash hands and other contacted skin thoroughly after handling.
	Contaminated work clothing should not be allowed out of the workplace.
	273 Avoid release to the environment.
	280 Wear protective gloves/eye protection/face protection.
	301/330/331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.
	302/352 IF ON SKIN: Wash with plenty of soap and water.
	302/303/361/353 IF ON SKIN (or hair): Remove/take off immediately all
	contaminated clothing. Rinse skin with water/shower.
	304/340 IF INHALED: Remove victim to fresh air and keep at rest in a
	position comfortable for breathing.
	ļ,
	,
	Remove contact lenses, if present and easy to do. Continue rinsing.
	310 Immediately call a POISON CENTER or doctor/physician.
	333/313 If skin irritation or rash occurs: Get medical advice/attention.
	Take off contaminated clothing and wash before reuse.
	363 Wash contaminated clothing before reuse.
	370/378 In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
	391 Collect Spillage.
	, ,
	403/235 Store in a well-ventilated place. Keep cool.
	405 Store locked up.
	501 Dispose of contents/container to approved disposal site, in accordance with local regulations.
	with local regulations.
	工工工工工工工工工工工工工工工工工工工工工工工工工工工工工工工工工工工工
Pictograms:	i i i
	₹ ♥ >
Other Hazards:	None
Concentration 0/ Limits	EH A1= 90.20% EH C1=90.20% EH C2=9.02% EH C3=0.92% EH C4=10% SCI
Concentration % Limits	1A=90.02% SCI 2=47.50% SS 1=4.74%

Total Fractional Values	EH A1= 1.16 EH C1=1.16 EH C2=11.52 EH C3=115.47 EH C4=10.90 SCI
	1A=4.93 SCI 2=2.60 SS 1=26.00
Key To Revisions:	Not applicable.
	<u> </u>
Key To Abbreviations:	AH 1 Aspiration - Hazard Category 1
	ATI 4 Acute Toxicity - Inhalation Category 4
	ATD 1 Acute Toxicity - Dermal Category 1
	ATD 4 Acute Toxicity - Dermal Category 4
	ATO 4 Acute Toxicity - Oral Category 4
	EDI 1 Eye Damage / Irritation Category 1
	EDI 2 Eye Damage / Irritation Category 2
	EH A1 Hazardous to the Aquatic Environment (Acute) Hazard Category 1
	EH C1 Hazardous to the Aquatic Environment (Long-term) Hazard Category 1
	EH C2 Hazardous to the Aquatic Environment (Long-term) Hazard Category 2
	ETO C1 Very toxic to Aquatic Life (Long Lasting Effects) Chronic 1
	ETO C2 Very toxic to Aquatic Life (Long Lasting Effects) Chronic 2
	ETO C3 Very toxic to Aquatic Life (Long Lasting Effects) Chronic 3
	FG 1 Flammable Gas, Hazard Category 1
	FL 3 Flammable Liquid, Hazard Category 3
	FS 2 Flammable Solid, Hazard Category 2
	H220 Extremely flammable gas.
	H224 Extremely flammable liquid and vapour.
	H226 Flammable liquid and vapour.
	H280 Contains gas under pressure; may expolde if heated.
	H302 Harmful if swallowed.
	H314 Causes severe skin burns and eye damage.
	H315 Causes skin irritation
	H317 May cause an allergic skin reaction.
	H318 Causes serious eye damage.
	H319 Causes serious eye irritation.
	H332 Harmful if inhaled.
	H335 May cause respiratory irritation.
	H400 Very toxic to aquatic life.
	H410 Very toxic to aquatic life with long lasting effects.
	H411 Toxic to aquatic life with long lasting effects.
	H412 Harmful to aquatic life with long lasting effects.
	P202 Do not handle until all safety precautions have been read and understood.
	P210 Keep away from heat, sparks, open flames and hot surfaces No smoking.
	P233 Keep container tightly closed.
	P240 Ground/bond container and receiving equipment.
	P241 Use explosion-proof electrical, ventilating and lighting equipment.
	P242 Use only non-sparking tools.
	P243 Take precautionary measures against static discharge.
	P260 Do not breathe vapour or dust.
	P261 Avoid breathing vapour or dust.
	P264 Wash hands and other contacted skin thoroughly after handling.
	P270 Do not eat, drink or smoke when using this product.
	P272 Contaminated work clothing should not be allowed out of the workplace.
	P273 Avoid release to the environment.
	P280 Wear protective gloves/eye protection/face protection.
	P301/310/312 IF SWALLOWED: call a POISON CENTER or doctor/physician if
	you feel unwell.
	P301/330/331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.
	P302/352 IF ON SKIN: Wash with plenty of soap and water.
	P302/303/361/353 IF ON SKIN (or hair): Remove/take off immediately all
	contaminated clothing. Rinse skin with water/show er.
	P304/340 IF INHALED: Remove victim to fresh air and keep at rest in a position
	comfortable for
	breathing.
	P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes.
	Remove contact lenses, if present and easy to do. Continue rinsing.
	P310 Immediately call a POISON CENTER or doctor/physician.
	P330 Rinse mouth.

P331 Do not induce vomiting. P332/313 If skin irritation occurs. Get medical advice/attention. P333/313 If skin irritation or rash occurs: Get medical advice/attention. P337/313 If eye irritation occurs. Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. P363 Wash contaminated clothing before reuse. P370/378 In case of fire: Use carbon dioxide, dry chemical, foam for extinction. P391 Collect spillage. P403/235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/container to approved disposal site, in accordance with regulations. REP 2 Toxic to reproduction Category 2 RES 1 Respiratory Sensitization Category 1 SCI 1 Skin Corrosion / Irritation Category 1 SCI 1A Skin Corrosion / Irritation Category 1A SCI 2 Skin Corrosion / Irritation Category 2 SS 1 Skin Sensitization Category 1 SS 1A Skin Sensitization Category 1A SS 1B Skin Sensitization Category 1B STOT SE1 Specific Organ Toxicity Category 1 STOT SE2 Specific Organ Toxicity Category 2 STOT SE3 Specific Organ Toxicity Category 3

SECTION 16. OTHER INFORMATION

This information is based on use of product neat, and not use of product in project bases, but on use as a fragrance concentrate. For detailed information on the categories below, please refer to the IFRA QRA Information Booklet.

Table 1: SAF and Product Type Consumer Exposure Levels that Drive the IFRA QRA Category

IFRA QRA Category	SAF	Category Consumer Exposure* mg/cm2/day	Product Type That Drives the Category Consumber Exposure Level	Minimum Pragmatic Level				
Category 1 (C1)	300	11.7	Lip Products	Not Necessary Acceptable Exposure Level derived from IFRA				
Category 2 (C2)	300	9.1	Deodorants/Antiperspirants	Not Necessary Acceptable Exposure Level derived from IFRA QRA				
Category 3 (C3)	300	2.2	Hydroalcoholics for Shaved Skin	Not Necessary Acceptable Exposure Level derived from IFRA QRA				
Category 4 (C4)	100	2.2	Hydroalcoholics for Unshaved Skin	Not Necessary Acceptable Exposure Level derived from IFRA QRA				

Category 5 (C5)	100	4.2	Hand Cream	Not Necessary Acceptable Exposure Level derived from IFRA QRA		
Category 6 (C6)	100	1.4	Mouthwash	Not Necessary Acceptable Exposure Level derived from IFRA QRA		
Category 7 (C7)	300	4.4	Intimate Wipes	Not Necessary Acceptable Exposure Level derived from IFRA QRA		
Category 8 (C8)	100	1.0	Hair Styling Aids	2% The maximum concentration will not exceed 2% and may be lower if determined by the IFR QRA		
Category 9 (C9)	100	0.2	Rinse-off Hair Conditioners	5% The maximum concentration will not exceed 5% and may be lower if determined by the IFRA QRA		
Category 10 (C10)	100	0.1	Hard Surface Cleaners	2.5% The maximum concentration will not exceed 2.5% and may be lower if determined by the IFRA QRA		
Category 11 (C11)	10	0.00033	Candles	Due to the expected negligible skin exposure from such products the risk of induction of dermal sensitization through the normal formulation and use of such products is considered to be negligible. As such, the concentration of fragrance ingredient is not restricted in the finished product.		

^{*} The Category Consumer Exposure Level (mg/cm₂/day) is driven by the product type in that category with the combined highest consumer exposure level and highest Sensitization Assessment Factor (SAF). In order to identify the product type consumer exposure that drives the category consumer exposure, please refer to the Technical Dossier, Table 9 in the IFRA QRA Information Booklet.

Table 2: Components-Allergens***

Level	CAS Nr I EC Nr	<u>Substance</u>	R Phrase: Classification for (DSD) 67/548/EEC	Classification for (CLP) 1272/2008	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route	
0- 0.5%	122- 40-7 204- 541-5	alpha-Amyl Cinnamic Aldehyde	Xi; R21/41 R38 R43	SS 1B EH C2; H317 H411	3730	Not determined	Not determined	Not determined	
C1:	C1=0.02% C2=0.02% C3=0.05% C4=0.05% C5=0.05% C6=0.4% C7=.04% C8=.05% C9=.05% C10=.05%								

C11=Not Restricted

(ty	pe flora	l, medium stren	-	as sweet, floon, powdery, w	-	uity, herbal	, jasmine, t	ropical,
0- 2.5%	100- 51-6 202- 859-9	Benzyl Alcohol	Xn, R20/R22	ATO 4 EDI 2 ATI 4; H302 H319 H332	1040	2000	1000	Not determined
C1=0).2% C2=	=0.2% C3=0.9% C	4=2.7% C5=1.4		=0.4% C8=.2	2.0% C9=5.0	% C10=2.5%	C11=Not
(1	type floi	ral, medium stre	ength describe	Restricted ed as floral, ro	se, balsar	nic, sweet,	fruity, cher	mical)
0- 0.4%	104- 54-1 203- 212-3	Cinnamic Alcohol	None	SCI 2 EDI 2; H315 H319	2000	>5000	Not determined	Not determined
C1=0	.09% C2	=0.1% C3=0.4% C	C4=0.4% C5=0.4		=0.2% C8=.	.0.2% C9=0.4	l% C10=0.4%	6 C11=Not
(type	e balsar	nic, medium str	enath describ	Restricted ed as sweet 1	halsam h	vacinth spi	cv areen	nowderv
(type	baloai	mo, modium ou	-	mic, floral, ye		ydoniui, opi	oy, groom,	powdory,
0-5%	5392- 40-5 226- 394-6	Citral	Xi; R38 R43	SCI 2 SS 1B EDI 2; H315 H317 H319	4960	2250	Not determined	Not determined
		2=0.05% C3=0.2%	:h described a	Restricted	on, sweet,			
0- .4.3%	97-53- 0 202- 589-1	Eugenol	Xn Xi; R36 R43	SS 1B EDI 2; H317 H319	1930	5000	2580	Not determined
C1=0).2% C2=	=0.2% C3=0.5% C	4=0.5% C5=0.5°		=0.4% C8=.0	0.5% C9=0.5	% C10=0.5%	C11=Not
	(type	e spicy, medium	n strength des	Restricted scribed as swe	eet, spicy,	close, woo	dy, allspice))
0- 3.6%	107- 75-5 203- 518-7	7-Hydroxy- Citronellal	Xi; R36, R43	SS 1B EDI 2; H317 H319	5000	2000	Not determined	Not determined
		C2=0.2% C3=0.8% al, medium stre		Restricted				
0- 0.2%	97-54- 1 202- 590-7	Isoeugenol	Xi; R21/41 R38 R43	SS 1B EDI 2; H317 H319	1560	Not Determined	Not determined	Not determined

(type sp	icy, medium str	_	11=Not Restricte	ed	% C8=0.02% ve, woody, o		·
0- 3.5%	101- 85-9 202- 982-8	alpha-Amyl Cinnamic Alcohol	Xi; R21/41 R38 R43	SS 1B EDI 2; H317 H319	4000	>5000	Not determined	Not determined
		2=0.03% C3=0.119 medium strength	С	11=Not Restricte	ed			
(турс	зрюу, і	nealam strengti	i, ilorai, jasiiii	iio, rosy, wax	y, Sweet S	picy, wood	y, ciririariio	ii iidaiicc)
0- 12.8%	118- 58-1 204- 262-9	Benzyl Salicylate	Xi N; R43 R51/53	SS 1B EDI 2 ETO C3; H317 H319 H412	2227	Not determined	Not determined	Not determined
C1	l=0.5% C	2=0.7% C3=2.7%	C4=8% C5=4.2	2% C6=12.8% C	7=1.3% C8=	=2% C9=5%	C10=2.5% C	11=Not
	(tv)	pe balsamic, lov	v etronath de	Restricted	leam cloa	ın harbal (aily ewoot)	
	(ty	pe baisainic, lov	v strength, de	solibed as ba	isaiii, Cica	iii, iieibai, C	Jily, Sweet)	
04%	104- 55-2 203- 213-9	Cinnamic Aldehyde	None	ATD 4 SS 1 SCI 2 EDI 2; H312 H315 H317 H319	2220	.59	.Not determined	Not determined
C1=0	.02% C2	2=0.02% C3=0.05%		=0.05% C6=0.4° 11=Not Restricte		% C8=0.05%	C9=0.05% C	10=0.05%
	(type	e spicy, high stre	ength, describ	ed as sweet,		namon, red	hots, warn	n)
0-5%	91-64- 5 202- 086-7	e spicy, high stre	xn N; R20/21/22 R43 R51/53	ATO 4 SS 1 ETO C3; H302 H317 H412		namon, red	Not determined	Not
	91-64- 5 202- 086-7	Coumarin	Xn N; R20/21/22 R43 R51/53	ATO 4 SS 1 ETO C3; H302 H317 H412	spice, cinr 293	242	Not determined	Not determined
	91-64- 5 202- 086-7	, ,, ,	Xn N; R20/21/22 R43 R51/53	ATO 4 SS 1 ETO C3; H302 H317 H412 0.8% C6=2.5% (Restricted	293 27=0.3% C8	242 3=2% C9=5%	Not determined	Not determined
	91-64- 5 202- 086-7	Coumarin 2=0.13% C3=0.5%	Xn N; R20/21/22 R43 R51/53	ATO 4 SS 1 ETO C3; H302 H317 H412 0.8% C6=2.5% (Restricted	293 27=0.3% C8	242 3=2% C9=5%	Not determined	Not determined
0- 8.6%	91-64- 5 202- 086-7 =0.1% C: (typ) 106- 24-1 203- 377-1 =0.3.% C	Coumarin 2=0.13% C3=0.5% e tonka, mediur	Xn N; R20/21/22 R43 R51/53 C4=1.6% C5=0 n strength, de Xi; R38 R41 R43 C4=5.3% C5=2	ATO 4 SS 1 ETO C3; H302 H317 H412 0.8% C6=2.5% C Restricted escribed as sw SCI 2 SS 1 EDI 1; H315 H317 H318	293 27=0.3% C8 veet, hay, 3600 27=0.9% C8	242 B=2% C9=5% tonka, new 5000	Not determined C10=2.5% (Mot determined Not determined C10=2.5% (Not determined C11=Not Not determined

		6 C2=0.02% C3=0.	С	11=Not Restricte	ed					
0-5%	105- 13-5 203- 273-6	(4- Methoxybenzyl) Anysil Alcohol	None	SCI 1B EDI 1; H315 H318	1340	3000	Not determined	Not determined		
C1=0.04.% C2=0.1% C3=0.2% C4=0.7% C5=0.4% C6=1.1% C7=0.1% C8=1.5% C9=5% C10=2.5% C11=Not Restricted (type powdery, medium strength, described as sweet, powdery, hawthorn, lilac, rose, floral, hyacinth, creamy, balsamic, coumarin, cherry, vanilla, licorice, anise)										
0-5%	103- 41-3 203- 109-3	Benzyl Cinnamate	None	SCI 1B EDI 1; H315 H318	5530	>3000	Not determined	Not determined		
		C2=0.2% C3=0.7%		Restricted						
0-5%	4602- 84-0 225- 004-1	Farnesol	None	EDI 2 EH A1 ETO C1; H319 H400 H410	6000	>5000	Not	Not determined		
C1=		C2=0.11% C3=0.4 e floral low strer		Restricted						
0-3%	80-54- 6 201- 289-8	2-(4-tert- Butylbenzyl) Propionaldehyde (Lilyall/BMHCA)	Xn Xi N; R22 R38 R43 R51/53 R61 R62	ATO 4 SS 1B SCI 2 REP 2 ETO C2; H302 H315 H317 H361 H411	1390	>5000	Not determined	Not determined		
C′	1=0.1.%	C2=0.2% C3=0.6%	6 C4=1.9% C5=	:1% C6=3% C7= Restricted	-0.3% C8=2	% C9=2.5%	C10=2.5% C	11=Not		
(ty	ype flor	al medium stren	igth, describe	d as floral, mu	uguet, wate	ery, green,	powdery, o	cumin)		
0- 12%	78-70- 6 201- 134-4	Linalool	Xi; R38	SCI 2 EDI 2; H315 H319	2200	5610	Not determined	Not determined		
C1=1% C2=2% C3=2% C4=1% C5=5% C6=2% C7=1% C8=2% C9=12% C10=5% C11=Not Restricted (type floral medium strength, described as citrus, floral, sweet, bois de rose, woody, green, blueberry)										
	120-			ATO 4 EH C1						

C1=	=1.7% C2	2=2.2% C3=8.9%	C4=26.7% C5=1		C7=4.5% C8	8=2% C9=5%	6 C10=2.5%	C11=Not
	(type	balsamic low s	trength, descr	Restricted ribed as faint,	sweet, ba	lsam, oily,	herbal, fruit	ty)
0- 13.3%	106- 22-9 203- 375-0	Citronellol	Xi N; R36/38 R43 R51/53	SCI 2 EDI 2 SS 1B; H315 H317 H319	3450	2650	Not determined	Not determined
C1:		2=1.1% C3=4.4% itrus, medium s		Restricted				
0- 17.1%	101- 86-0 202- 983-3	alpha-Hexyl Cinnamic Aldehyde	Xi N; R38 R43 R50/53	SS 1; H317	3100	Not determined	Not determined	Not determined
		nedium strengtl		Restricted				
0- 20%	5989- 27-5 227- 813-5	dextro-Limonene (R)-p-Mentha- 1,8-diene	Xi N; R10 R38 R43 R50/53 R65	FL 3 AH 1 SCI 2 SS 1B EH A1 ETO C1; H226 H304 H315 H317 H400 H410	>5000	>5000	Not determined	Not determined
C1	1=1.4% (C2=1.9% C3=4.6% (type citrus, me		Restricted				11=Not
0- 0.08%	111- 12-6 203- 836-6	Methyl Heptine Carbonite	Xi; R21/41 R38 R43	SS 1B EDI 2; H317 H319	1530	3300	Not determined	Not determined
C		% C2=0.004% C3= pe green, high s	C10=0.0	1% C11=Not Re	estricted			=0.01%
0- 50.7%	127- 51-5 204- 846-3	alpha-Isomethyl Ionone	Xi N; R36/38 R51/53	SCI 2 EDI 2 ETO C2; H315 H319 H411	>5000	>5000	Not determined	Not determined
C1=	2% C2=2	2.6% C3=10.6% C (type floral,	4=31.7% C5=16 medium strer	Restricted				C11=Not
0- 0.5%	90028- 67-4 289- 860-8	Treemoss Extract	Xi; R21/41 R38 R43	SS 1B EDI 2; H317 H319	4330	>5000	Not determined	Not determined

C1=-0	C1=-0.02% C2=0.03% C3=0.1% C4=0.1% C5=0.1% C6=0.5% C7=0.1% C8=0.1% C9=0.1% C10=0.1% C11=Not Restricted (type woody, medium strength described as woody, tar)										
0- 0.5%	4330 50000 1111										
C1=-0	C1=-0.02% C2=0.03% C3=0.1% C4=0.1% C5=0.1% C6=0.5% C7=0.1% C8=0.1% C9=0.1% C10=0.1% C11=Not Restricted (type mossy, medium strength described as oakmoss)										

*** These ingredients appear on the list of substances in Annex III of Regulation (EC) No. 1223/2009 on cosmetic products and Annex III Part 1 of Council Directive 76/768/ECC with amendments of Cosmetic Directive 2008/42/EC of 3 April 2008 as referred to by Regulation (EC) No. 648/2004 on detergents.

Table 3: Components-Common

Level	CAS Nr I EC Nr	<u>Substance</u>	R Phrase: Classification for (DSD) 67/548/EEC	Classification for (CLP) 1272/2008	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route		
0- 25.7%	2050- 08-0 218- 080-2	Hexyl (Amyl) Salicylate	Xi Xn N; R22 R38 R43 R50/53 R51/53	H315 H317 H410	2000	Not determined	Not determined	Not determined		
C1=		.3% C3=5.3% C4=16% oral, medium streng			/					
0- 10%	107-31- 3 203- 481-7	Methyl Formate	F+ Xn Xi; R12 R20/22 R36/37	FL 1 ATO 4 ATD 3 EDI 2 EDI 2A SCI 2 ATI 4 STOT SE3 STOT SE1; H224 H301 H302 H311 H319 H331 H332 H335 H370	1500	4000	Not determined	Not determined		
C1=	=-0.03% C	C2=0.04% C3=0.1% C4		Restricted			C10=0.1% (C11=Not		
(type fruity, medium strength described as fruity, plum)										
0-5%	79-20-9 201- 185-2	Methyl Acetate	F Xi Xn T; R11 R20/21/22 R36	FL 2 ATO 4 ATD 4 EDI 2 STOT SE3 STOT SE1;	5000	5000	Not determined	Not determined		

C1=-0.07% C2=0.08% C3=0.35% C4=1.04% C5=0.55% C6=1.67% C7=0.17% C8=2% C9=5% C10=2.5% C11=Not Restricted (type ethereal, medium strength described as ether, sweet, fruity, solvent-like, green, fresh, rum, cognac, whiskey) C1				R39/23/24/25 R66 R67	H225 H302 H312 H319 H332 H336 H370				
(type ethereal, medium strength described as ether, sweet, fruity, solvent-like, green, fresh, rum, cognac, whiskey) Comparison of the property of the prop									
Cognac, whiskey) 10-2% 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210- 7 210-	C1=	=-0.07% C	2=0.08% C3=0.35% C4			C7=0.17% C	8=2% C9=5%	% C10=2.5%	C11=Not
0-2% 7 210- (Methyl Butanoate) R20 R36/37/38 FL 2 5000 3560 18000 determined determined determined	(ty	pe ethe	real, medium strengt			et, fruity, so	lvent-like, g	green, frest	n, rum,
141-78-6 205-60-4 Ethyl Ethanoate (Ethyl Acetate) FX Xn T; R10 R11 R20/21/22 R36 R39/23/24/25 R68 R67 R68/20/21/22 R66 R67 R68/20/21/22 R68 R68	0-2%	7 210-		R20	FL 2	5000	3560	18000	Not determined
141-78-6 205-64 Ethyl Ethanoate (Ethyl Acetate) R10 R11 R20/21/22 FL 2 EDI 2 STOT SE3; R366 R39/23/24/25 R66 R67 R68/20/21/22 FL 3 SCI 2 EDI 2 ASTOT SE3; H226 H319 H336 Search 20-8% 105-54-4 203-306-4 (Ethyl Butanoate) R36/37/38 SE3; H226 H315 H319 H335 H373 SE3 EBI A1; H226 H315 H319 H335 H373 SE3 EBI A1; H226 H335 H302 Search 20-8% 123-92-21/204-662-3 (Isopentyl Acetate) (Isopentyl Acetate) (Isopentyl Acetate) (Isopentyl Acetate) (Isopentyl Acetate) (Isopentyl Acetate) (Itype fruity, high strength described as sweet, banana, fruity, estry) Search 20-8% 1208-739-2 Amyl Butyrate Pentyl Butanoate Xi; R36/37/38 None 12200 Not Determined determined determined determined (Itype fruity, medium strength described as sweet, banana, fruity, cherry, pineapple, tropical) Not Determined determined (Itype fruity, medium strength described as sweet, banana, fruity, cherry, pineapple, tropical) Not Determined (Itype fruity, medium strength described as sweet, banana, fruity, cherry, pineapple, tropical) Not Determined (Itype fruity, medium strength described as sweet, banana, fruity, cherry, pineapple, tropical) Not Determined (Itype fruity, medium strength described as sweet, banana, fruity, cherry, pineapple, tropical) Not Determined (Itype fruity, medium strength described as sweet, banana, fruity, cherry, pineapple, tropical) Not Determined (Itype fruity, medium strength described as sweet, banana, fruity, cherry, pineapple, tropical) Not Determined (Itype fruity, medium strength described as sweet, banana, fruity, cherry, pineapple, tropical) Not Determined (Itype fruity, medium strength described as sweet, banana, fruity, cherry, pineapple, tropical) Not Determined (Itype fruity, medium strength described as sweet, banana, fruity, cherry, pineapple, tropical) Not Determined (Itype fruity, medium strength described as Search 20-200 Not Determined (Itype fruit		(typ	pe fruity, medium str	ength describ	ed as fruity, a	pple, swee	t, pineapple	e, banana)	I
0-8%	-	6 205-		R10 R11 R20/21/22 R36 R39/23/24/25 R66 R67	STOT SE3; H225 H319	5620	5000	200000	Not determined
105-54-4 203-306-4 Ethyl Butyrate (Ethyl Butanoate)	(ty	pe ethe	real, high strength d	escribed as et	thereal, fruity,	sweet, we	edy, green,	rum-like, o	cherry)
0- 25% 123-92- 2 204- 662-3 Isoamyl Acetate (Isopentyl Acetate) Xi; R10 R66 FL 3 STOT SE3 EH A1; H226 H335 H402 16600 5000 Not determined determined determined (type fruity, high strength described as sweet, banana, fruity, estry) Amyl Butyrate Pentyl Butanoate Xi; R36/37/38 None 12200 Not Determined determined determined determined (type fruity, medium strength described as sweet, banana, fruity, cherry, pineapple, tropical) (type fruity, medium strength described as sweet, banana, fruity, cherry, pineapple, tropical) Amyl Valerate (Pentyl Pentanoate) None None 35420 Not determined determi	0-8%	4 203-		,	EDI 2A STOT SE3; H226 H315 H319	13000	2000		
123-92- 2 204- 662-3 Isoamyl Acetate (Isopentyl Acetate) Xi; R10 R66 SE3 EH A1; H226 H335 H402 16600 5000 Not determined Not Determined	(type	fruity, hi	gh strength describe	ed as fruity, ju	icy, sweet, pir	neapply, co	gnac, tutti f	rutti, apple	ethereal)
S40-18- 1 208- 739-2 Amyl Butyrate Pentyl Butanoate Xi; R36/37/38 None 12200 Not Determined Not Determi	-	2 204-		Xi; R10 R66	SE3 EH A1; H226 H335	16600	5000		Not determined
1 208- 739-2 Amyl Butyrate Pentyl Butanoate Xi; R36/37/38 None 12200 Not Determined Not determined (type fruity, medium strength described as sweet, banana, fruity, cherry, pineapple, tropical) 2173- 56-0 218- 528-7 Amyl Valerate (Pentyl Pentanoate) None None None Not determined Not Not Determined Not determined Not determined Not Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determ			(type fruity, high	strength des	cribed as swe	et, banana	, fruity, est	ry)	ı
0-3% 2173- 56-0 Amyl Valerate (Pentyl Pentanoate) None None 35420 Not determined Not determined	0-8%	1 208-		Xi; R36/37/38	None	12200	1		Not determined
0-3% 56-0 Amyl Valerate (Pentyl 218- 528-7 Pentanoate) None None 35420 Not determined determined determined		(type fru	ity, medium strength	n described as	s sweet, bana	na, fruity, c	herry, pine	apple, trop	ical)
(type fruity, medium strength described as ripe, fruity, apple)	0-3%	56-0 218-		None	None	35420	1		Not determined
			(type fruity, r	medium stren	gth described	as ripe, fru	ity, apple)	I	I

0-8%	112-14- 1 203- 939-6	Acetic Acid Octyl Ester (Octyl Acetate)	Xi; R36/37/38	FL 3 ATO 5; H226 H303	3000	5000	Not determined	Not determined
	(ty	pe floral, medium st	rength describ	ped as ripe, g	reen, mush	room, herb	al, waxy)	ı
0-4%	123-35- 3 204- 622-5	Myrcene	Xi; R10 R36/37/38 R65	FL 3 ATOT 1 SCI 2 SS 1 EDI 2 EH C2; H226 H304 H315 H317 H319 H412	5000	5000	Not determined	Not determined
(type	spicy, h	nigh strength describ	ed as pepper	y, terpene, sp	icy, balsan	nic, plastic,	rosy, celer	y, carrot)
0- 20%	106-25- 2 203- 378-7	Nerol	Xi; R36/38 R43	SCI 2 SS 1B EDI 2A STOT SE3; H315 H317 H318 H319 H335	4500	5000	Not determined	Not determined
(type	floral, m	edium strength desc		et, natural, ne terpy nuance		magnolia, I	emon, butt	er, green,
0- 15%	7212- 44-4 230- 597-5	Nerolidol	Xi N; R36/38 R50/53	EDI 2 EH A1 EH C1; H319 H400 H410	5000	5000	Not determined	Not determined
	(type fru	ıity, medium strengtl	n described as	s sweet, fruity	, banana, p	ineapple, c	herry, trop	ical)
0-4%	76-22-2 200- 945-0	Camphor (Bornan-2- 1-one)	F Xi Xn; R11 R20/21/22 R36/37/38 R40 R68/20	FS 2 ATO 4 ATI 4 STOT SE2; H228 H302 H332 H371	1310	70	Not determined	Not determined
	1	(type campho	rous, medium	strength des	cribed as ca	amphorous)	I
0- 30%	98-55-5 202- 680-6	alpha-Terpineol	Xi; R36/38	SCI 2 EDI 2A STOT SE3; H315 H319 H335	4300	Not determined	Not determined	Not determined
	(typ	pe floral, medium str	ength describe	ed as pine, te	rpene, lilac	, citrus, wo	ody, floral)	I
0- .02%	23696- 85-7 245- 833-2	beta-Damascenones	Xi; R36/37/38	None	Not Determined	Not Determined	Not determined	Not determined
		C2=0.004% C3=0.02% Cgh strength describe	C11= ed as natural,	Not Restricted	rose, plum,			

0- .02%	23726- 93-4 245- 844-2	trans- <i>beta</i> - Damascenones	Xi; R36/37/38	None	Not Determined	Not Determined	Not determined	Not determined
C1=-	-0.003% C	2=0.004% C3=0.02%	C4=0.02% C5=0	0.02% C6=0.07%	6 C7=0.008%	C8=0.02% (C9=0.02% C	10=0.02%
		(typo fruity bigh of		=Not Restricted	rosa honov	tobooo	owoot)	
		(type fruity, high str	engin describ	eu as appie, i	ose, noney	, tobacco, s	sweet)	
0- .02%	23726- 91-2 245- 842-1	trans- <i>beta</i> - Damascones	Xi; R43	None	2920	Not Determined	Not determined	Not determined
C1=-	-0.003% C	2=0.004% C3=0.02%	C4=0.02% C5=0).02% C6=0.07%	6 C7=0.008%	C8=0.02% (□ C9=0.02% C	10=0.02%
١.,			_	=Not Restricted				
(typ	e fruity, r	nigh strength descri		floral, berry, p y, minty, herba		currant, ho	ney, rose, t	obacco,
ı			groon, wood	y, 111111ty, 11010t	ai, norai)			
0- 10%	127-41- 3 204- 841-6	<i>alpha</i> -Ionone	Xi; R36/38 R42/43	RES 1 EH C2; H334 H411	4590	2270	Not determined	Not determined
C1=-2		% C3=10.6% C4=31.7 ral, medium streng						
02%	546-80- 5 208- 912-2	<i>alpha</i> -Thujone	Xi; R22 R36/37/38	FL 1 ATO 2 ATD 1; H227 H302 H313	500	362	Not determined	Not determined
		(type thuj	onic, medium	strength desc	ribed as ce	darleaf)	I	<u> </u>
				FL 4 ATO 4				
0-8%	100-52- 7 202- 860-4	Benzaldehyde	Xn; R22	SCI 2 EH A2 SS 1 ATI 4 SR 1; H227 H302/332 H315 H317 H334 H401	1300	5000	500	Not determined
	7 202- 860-4	Benzaldehyde =0.02% C3=0.09% C4		SCI 2 EH A2 SS 1 ATI 4 SR 1; H227 H302/332 H315 H317 H334 H401				determined
C1=-	7 202- 860-4 -0.02% C2		=0.27% C5=0.14	SCI 2 EH A2 SS 1 ATI 4 SR 1; H227 H302/332 H315 H317 H334 H401	C7=0.05% C8	=0.6% C9=3°	% C10=2.5%	determined
C1=-	7 202- 860-4 -0.02% C2	=0.02% C3=0.09% C4	=0.27% C5=0.14	SCI 2 EH A2 SS 1 ATI 4 SR 1; H227 H302/332 H315 H317 H334 H401 4% C6=0.43% C Restricted ong, sharp, sv	C7=0.05% C8	=0.6% C9=3°	% C10=2.5%	cC11=Not er, nutty,
C1=- (typ	7 202- 860-4 -0.02% C2: e fruity, r 4940- 11-8 225- 582-5	=0.02% C3=0.09% C4 nedium strength de	=0.27% C5=0.14 escribed as str	SCI 2 EH A2 SS 1 ATI 4 SR 1; H227 H302/332 H315 H317 H334 H401 4% C6=0.43% C Restricted ong, sharp, so cherry) ATO 4; H302	27=0.05% C8 weet, bitter, 1150	=0.6% C9=3' almond, fr 5000	% C10=2.5% uity, powde	cC11=Not er, nutty,

06%	100-66- 3 202- 876-1	Anisole	Xi; R10 R38	FL 3 STOT SE3; H226 H336	3700	Not determined	5000	Not determined
	(type phenolic, high s	strength desc	ribed as pheno	olic, gasoli	ne, etherea	l, anise)	
0-1%	104-46- 1 203- 205-5	Anethol	Xi; R10 R38	None	2090	5000	Not determined	Not determined
	-	(type licorice, m	ledium streng	th described a	as sweet, a	anise, licorio	e)	I .
02%	140-67- 0 205- 427-8	Estragole (Turpentine Oil)	Xi Xn N; R10 R36/37/38 R40/22 R43 R51/53 R65	FL 3 ATO 4 AH 1 ATD 4 SCI 2 SS 1B EDI 2 ATI 4 EH C2; H226 H302 H304 H312 H315 H317 H319 H332 H411	1230	5000	Not determined	Not determined
(ty	pe anisi	c, medium strength		sweet, sassafi edy, celery)	rass, anise	e, spice, gre	en, herbal,	minty,
01%	89-83-8 201- 944-8	Thymol	C N; R20/21/22 R34 R51/53	ATO 4 EDI 2 EH A2 EH C2; H302 H314 H318 H401 H411	980	243	Not determined	Not determined
(ty	pe anisi	c, medium strength o		sweet, sassafi edy, celery)	rass, anise	e, spice, gre	en, herbal,	minty,
0- 0.01%	75-50-3 200- 875-0	Trimethyl Amine	F+ Xn C Xi; R12 R20/22 R34 R36/37/38 R41	FG 1 FL 1 ATO 4 SCI 1B SS 2 EDI 1 EDI 2 ATI 4 STOT SE3; H220 H224 H280 H302 H314 H315 H318 H319 H332 H335	500	800	Not determined	Not determined
		(type fishy, very high	n strength des	scribed as fish	y, oily, ran	cid, sweaty	fruity)	
0.01%	110-86- 1 203- 809-9	Pyridine	F Xn Xi; R11 R20/21/22 R36/38	FL 2 ATO 4 ATD 4 SCI 2 EDI 2 ATI 4; H225 H302 H312 H315 H319 H320 H332	891	866	28500	Not determined

	(ty	pe fishy, very high s	trength desc	ribed as sicker	ning, sour,	putrid, fishy	y, amine)	
0-2%	120-72- 9 204- 420-7	Indole	: Xn N; R21/22 R37/38 R41 R50/53	ATO 4 ATD 4 SCI 2 EDI 1 STOT SE3 EH A1 EH C1; H302 H312 H315 H318 H335 H400 H410	1000	790	Not determined	Not determined
(type	animal,	high strength descr	ibed as anima	al, fecal, floral,	moth ball,	naphthelei	ne, pungen	it, musty)
0-1%	111-27- 3 203- 852-3	1-Hexanol (Hexan-1- ol)	Xi; R22	FL 2 FL 3 ATO 4 ATD 4 EDI 1 EDI 2 EH A1 EH C1; H225 H226 H302 H312 H318 H319 H400 H410	720	3100	1060	Not determined
(type	herbal,	medium strength de	scribed as et	hereal, fusel o	il, fruity, ald	coholic, swe	eet, green,	pungent)
0-8%	928-96- 1 213- 192-8	cis-3-Hex-3-en-1-ol	Xi; R10 R36	FL 3 EDI 2; H226 H319	4700	5000	Not determined	Not determined
(type	e green,	high strength descril	ped as fresh,	green, cut gra rind-like)	ss, foliage	vegetable	, herbal, oi	ly, melon
0-8%	89-78-1 201- 939-0	Dextro, Laevo(DL)- Menthol	Xi; R37/38 R41	SCI 2 EDI 1 EDI 2 STOT SE3; H315 H318 H319 H335	3180	Not determined	Not determined	Not determined
		(type mentholic, m	edium streng	th described a	s pepperm	int, cool, w	oody)	<u> </u>
0-1%	75-07-0 200- 836-8	Acetaldehyde	F+ Xi; R12 R36/37 R40	FL 1 EDI 2 STOT SE3 CAR 2; H224 H319 H335 H351	661	640	Not determined	Not determined
	(type et	hereal, high strength	described as	s pungent, eth	ereal, alde	hydic, fruity	, fresh, gre	en)
05%	6789- 80-6 229- 854-4	cis-3-Hexenal (cisHex-3-enal)	Xi; R10 R22	FL 3; H226	1560	3700	Not determined	Not determined
	(ty	pe green, high stren	gth described	l as green, fati	ty, grassy,	weedy, frui	ty, apple)	

001%	98-01-1 202- 627-7	Furfural (2- Furaldehyde)	Xn T Xi C; R21 R23/25 R36/37/38 R40	FL 3 ATO 3 ATD 3 SCI 2 EDI 2 ATI 2 STOT SE3 CAR 2 EH C3; H226 H301 H312 H315 H319 H330 H335 H351 H412	65	148	175	Not determined
(ty	pe bread	dy, medium strength	described as	sweet, woody	y, almond, f	ragrant bal	ked bread,	brown,
			carame	elic, nutty, bur	nt)			
0- 30%	6413- 10-1 229- 114-0	Fructone (Apple Ketal) Methyl Dioxolan	None	None	5000	5000	Not determined	Not determined
	(type fru	ity, medium strength	described as	sweet, fruity	, apple, gre	en, tropica	l, plum, wo	ody)
0-5%	142-92-	Hexyl acetate	Xi; R10 R36/38		41500	5000	Not determined	Not determined
0- 15%	77-83-8	Ethyl Methylphenylglycidate	Xi N; R36 R52/53		5000	Not determined	Not determined	Not determined
0-5%	1128- 08-1	Dihydrojasmone	None		2500	5000	Not determined	Not determined
05%	4312- 99-6	Oct-1-en-3-one	Xi; R10 R22 R36/38		175	3300	Not determined	Not determined
0- 10%	85213- 22-5	2-Acetyl-1-Pyrroline	None		Not determined	Not determined	Not determined	Not determined
0-1%	27300- 27-2	2-Acetyl-3,4,5,6- Tetrahydropyridine	None		Not determined	Not determined	Not determined	Not determined
0-1%	25343- 57-1	6-Acetyl-2,3,4,5- tetrahydropyridine	None		Not determined	Not determined	Not determined	Not determined
0- 12%	107797- 26-2	gamma-Decalactone	Xi; R36/38		5000	5000	Not determined	Not determined
0- 15%	63357- 97-1	gamma-Nonalactone	None		Not determined	Not determined	Not determined	Not determined
0- 12%	698-76- 0	delta-Octalactone	Xi; R36/38		5000	5000	Not determined	Not determined
0-3%	34686- 71-0	Jasmine Lactone	Xi; R36/38		Not determined	Not determined	Not determined	Not determined
0- 0.01%	51154- 96-2	Massoia Lactone	Xi		1890	Not determined	Not determined	Not determined

05% 2 Maple Furanone R36/37/38 determined	05%	182699- 77-0	Wine Lactone	Xi; R36/38		Not rmined	Not determined	Not determined	Not determined
05% 35-9 Caramel Furanone R36/37 determined Not determined Not determined determined Not	05%		Maple Furanone		1				Not determined
01% 75-08-1 Mercaptan R50/53 682 determined Not determined Not determined Not determined determined Not determined Not determined determined Not determined <td< td=""><td>05%</td><td></td><td>Caramel Furanone</td><td></td><td></td><td></td><td></td><td></td><td>Not determined</td></td<>	05%		Caramel Furanone						Not determined
01% 90-5 Grapefruit Mercaptan XI; R36/38 6000 determined Not determ	01%	75-08-1		· '	6	82			Not determined
05% 74-93-1 Methanethiol R50/53 determined Not Not determined determined determined Not determined determined determined Not determined determined Not determined Not determined determined determined Not Not determined determined determined Not Not Not determined determined Not	01%		Grapefruit Mercaptan	Xi; R36/38	60	000			Not determined
01% 75-66-1 Tert-butyl Mercaptan R36/37 R41 8400 determined determined determined determined determined determined determined determined Not Not determined Not Not determined Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not Not	05%	74-93-1	Methanethiol	· '					Not determined
0-2% 57-1 Nerolin XI; R36/38 5000 5000 determined determined determined determined determined 110-01-	01%	75-66-1	Tert-butyl Mercaptan		82	400			Not determined
0-1% 110-01- 0 Tetrahydrothiophene R20/21/22 R36/38 R52/53 1200 Not Not determined determined determined Not N	0-2%	_	Nerolin	Xi; R36/38	50	000	5000		Not determined
97 10 1 9 1 6 Trichlorophicolo VI 1000	0-1%		Tetrahydrothiophene	R20/21/22 R36/38	12	200			Not determined
determined determined determined determined	0- 0.01%	87-40-1	2,4,6-Trichloroanisole	Xi	18	890	Not determined		Not determined

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