

Safety Data Sheet

Revision Date: 26/06/2020

SECTION 1: Identification of the mixture and of the company

1.1. Product Identifier

Trade code:

FL0089F

Trade name:

5

1.2. Relevant identified uses of the substance or mixture and uses advised against

Concentrated fragrance for manufacturing purposes only.

Not for personal use in this form or concentration.

1.3. Details of the supplier of the safety data sheet

Fragrance Liaison Ltd
The Greyhound Barn, Midhurst
West Sussex GU29 9QH
07864 561892
info@fragrance-liaison.com

1.4. Emergency telephone number

07864 561892

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

Classification of the substance or mixture according to EC 1272/2008

Serious Eye Damage, category 1	H318	Causes serious eye damage.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, Chronic, category 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements according to EC 1272/2008

Signal Word: Danger

Pictograms:



Hazard Statements:

H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements:

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P272	Contaminated work clothing should not be allowed out of the workplace.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P273	Avoid release to the environment.

Hazardous components which must be listed on the label:

107-75-5	7-Hydroxy-3,7-dimethyloctanal
32210-23-4	4-tert-Butylcyclohexyl acetate

78-70-6	3,7-Dimethylocta-1,6-dien-3-ol
106-24-1	3,7-Dimethylocta-2,6-dien-1-ol

2.3. Other hazards

None reasonably foreseeable

SECTION 3: Composition/information on ingredients

Description of the mixture:

A multi-component mixture of natural and/or synthetic aroma materials.

Conc. %w/w	Description	CAS	EINECS	Classification EC 1907/2006
2.5-10	2-Phenylethanol	60-12-8	200-456-2	H302, H319
2.5-10	7-Hydroxy-3,7-dimethyloctanal	107-75-5	203-518-7	H317, H319
2.5-10	4-tert-Butylcyclohexyl acetate	32210-23-4	250-954-9	H317
2.5-10	3,7-Dimethylocta-1,6-dien-3-ol	78-70-6	201-134-4	H315, H317, H319
2.5-10	3,7-Dimethylocta-2,6-dien-1-ol	106-24-1	203-377-1	H315, H317, H318
2.5-10	1-Methyl-1-(4-methylcyclohex-3-en-1-yl)ethyl acetate	8007-35-0	232-357-5	H411
1.0-2.5	Benzyl acetate	140-11-4	205-399-7	H412
1.0-2.5	2H-Chromen-2-one	91-64-5	202-086-7	H301, H311, H317, H331, H411
1.0-2.5	2E-3,7-Dimethylocta-2,6-dien-1-ol	106-25-2	203-378-7	H315, H317, H318
< 1.0	Phenylmethanol	100-51-6	202-859-9	H302, H319, H332
< 1.0	3-(4-tert-Butylphenyl)-2-methylpropanal	80-54-6	201-289-8	H302, H315, H317, H361, H412
< 1.0	3-Methyl-4-(2,6,6-trimethylcyclohex-2-en-1-yl)but-3-en-2-one	127-51-5	204-846-3	H317, H411
< 1.0	1,5-Dimethyl-1-vinylhex-4-en-1-yl acetate	115-95-7	204-116-4	H315, H317, H319
< 1.0	2-Methoxy-4-prop-1-en-1-ylphenol	97-54-1	202-590-7	H302, H312, H315, H317, H319
< 1.0	Benzyl salicylate	118-58-1	204-262-9	H317, H412
< 1.0	1-Methoxy-4-methylbenzene	104-93-8	203-253-7	H226, H302, H315, H361, H412
< 1.0	Methyl benzoate	93-58-3	202-259-7	H302
< 1.0	2-methylundecanal	110-41-8	203-765-0	H315, H317, H400, H410
< 1.0	undec-10-enal	112-45-8	203-973-1	H315, H317, H319, H412
< 1.0	dodecanal	112-54-9	203-983-6	H315, H317, H319
< 1.0	Pentyl salicylate	2050-08-0	218-080-2	H302, H400, H410
< 1.0	3,7-Dimethyloct-6-en-1-ol	106-22-9	203-375-0	H315, H317, H319
< 1.0	Copaifera officinalis balsam	8013-97-6	232-288-0	H304, H317, H413
< 1.0	Benzyl benzoate	120-51-4	204-402-9	H302, H400, H411
< 1.0	2-(4-Methylcyclohex-3-en-1-yl)propan-2-ol	98-55-5	202-680-6	H315, H319
< 1.0	4,11,11-Trimethyl-8-methylenebicyclo[7.2.0]undec-4-ene	87-44-5	201-746-1	H304, H317, H413
< 1.0	3-Ethoxy-4-hydroxybenzaldehyde	121-32-4	204-464-7	H319
<0.1	2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	80-56-8	201-291-9	H226, H304, H315, H317, H400, H410
<0.1	6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptane	127-91-3	204-872-5	H226, H304, H315, H317, H400, H410
<0.001	Ethyl alcohol	64-17-5	200-578-6	H225, H319
<0.0001	Toluene impurity	108-88-3	203-625-9	H225, H304, H315, H336, H361, H373
<0.0001	2-Furaldehyde	98-01-1	202-627-7	H301, H312, H315, H319, H330, H335, H351, H412
<0.0001	Styrene	100-42-5	202-851-5	H226, H304, H315, H319, H332, H361, H372, H412

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with skin:

Remove all contaminated clothing.

Wash with plenty of water and soap.

Contact with eyes:

Flush immediately with water for at least 10 minutes.

Contact physician if symptoms persist.

Swallowing:

Rinse mouth with water.

In severe cases seek medical attention and show the safety data sheet.

Inhalation:

No damage to health is expected.

4.2. Most important symptoms and effects, both acute and delayed

See Section 2.1

4.3. Indication of any immediate medical attention and special treatment needed

See Section 4.1

SECTION 5: Firefighting Measures

5.1. Extinguishing media

Recommended extinguishers:

Carbon dioxide, foam or powder-fire extinguisher.

Extinguishers not to be used:

DO NOT USE WATER EXTINGUISHERS.

5.2. Special hazards arising from the substance or mixture

Risks arising from combustion:

Avoid inhaling the fumes.

5.3. Advice for firefighters

Protective Equipment:

Use protection for the respiratory tract.

Additional Information:

Contaminated fire extinguishing water must be collected separately; it must not enter sewerage system.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes.

Use personal protective equipment.

6.2. Environmental hazards

Inform fire brigade of large spillages.

Keep away from drains, surface and ground water, and soil.

Spillages should be contained immediately by use of sand or inert powder and disposed of according to local regulations.

6.3. Methods and material for containment and cleaning up

Rapidly recover the product. To do so, wear a mask and protective clothing. If possible, collect product for re-use or disposal. Do not allow the material to enter drainage systems.

6.4. Reference to other sections

See section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Apply good manufacturing and industrial hygiene practices and adequate ventilation.

Do not eat, drink or smoke while handling.

Respect good personal hygiene.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions:

Store in well filled and tightly closed original containers, and protect from heat and light.

Avoid certain plastic and uncoated metal containers.

Instructions as regards storage premises:

Store in a cool, dry and ventilated area. Keep away from sources of ignition and naked flames.

Incompatible Materials:

None known that present a hazard.

7.3. Specific end use(s)

Perfumed product for professional or consumer use

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Materials with occupational exposure standards:

	<u>WEL-STEL mg/m3</u>	<u>WEL-STEL ppm</u>	<u>WEL-TWA mg/m3</u>	<u>WEL-TWA ppm</u>
2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	300	50	140	25
6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptane	300	50	140	25
Ethyl alcohol			1920	1000
Toluene impurity	384	100	191	50
2-Furaldehyde	20	5	8	2
Styrene		40		20

8.2. Exposure controls

Precautionary Measures:

Give adequate ventilation to the premises where the product is stored and/or handled.

Protection for respiratory tract:

Not needed for normal use.

Protection for hands:

Avoid contact. Use chemically resistant gloves as needed, e.g. butyl rubber or nitrile rubber protective index 6

Protection for eyes:

Avoid contact. Wear safety glasses

Protection for skin:

Avoid contact. Use suitable protective clothing as needed.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear colourless liquid
Odour	Characteristic
pH	Non aqueous mixture, not determined
Melting Point	Not applicable
Initial boiling point and boiling point range	Not applicable
Flash Point (°C)	>70
Evaporation Rate	Not determined
Vapour Pressure	Not determined
Vapour Density	Not determined
Relative Density	0.94
Solubility in Water	No
Partition Co-efficient : n-octanol /water	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2. Other information

SECTION 10: Stability and Reactivity

10.1. Reactivity

Substances to avoid: None in particular.

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None known

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None expected

10.6. Hazardous decomposition products

Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION 11: Toxicological Information

This preparation has not been subject to toxicological testing as an entity; therefore no specific LD50/LC50 values have been determined. The toxicological information available relating to the ingredients and their concentrations enables the evaluation of this preparation.

For further information see sections 2, 15 & 16.

11.1. Information on toxicological effects

ATE Dermal: >10000

ATE Oral: 9904

ATE Vapour: >20

SECTION 12: Ecological Information

12.1. Ecotoxicity

This preparation has not been subject to ecological testing as an entity; therefore no specific data has been generated. The ecological information available relating to the ingredients and their concentrations enables the evaluation of this preparation.

For further information see sections 2, 15 & 16. Avoid contaminating the earth as well as surface and ground water.

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

None present

12.6. Other adverse effects

None known

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

The product should be disposed of in accordance to local regulations.

Avoid disposing into drainage systems and into the environment.

The soiled packaging should be disposed of in the same way as the product.

SECTION 14: Transport Information

ADR-UN Number	Not classified for transport
ADR-Class	Not classified for transport
ADR-Shipping Name	Not classified for transport
ADR-Packing Group	Not classified for transport
ADR-Tunnel Code	Not classified for transport
IATA-UN Number	Not classified for transport
IATA-Class	Not classified for transport
IATA-Shipping Name	Not classified for transport
IATA-Label	None

IATA-Packing Group	Not classified for transport
IATA-S.P.	None
IATA-ERG	None
IMDG-Marine Pollutant	No
IMDG-UN Number	Not classified for transport
IMDG-Class	Not classified for transport
IMDG-Shipping Name	Not classified for transport
IMDG-Packing group	Not classified for transport
IMDG-Storage Category	Not classified for transport

SECTION 15: Regulatory information

15.1. General Information

For classification and labelling information see section 2. The classification of this mixture is in accordance with EC 1272/2008 as amended

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this mixture

SECTION 16: Other Information

16.1. Classification Contribution Values

H304:	0.000	H305:	0.000				
H314-1A:	0.000	H314-1B:	0.000	H314-1C:	0.000		
H315:	0.754	H316:	0.000				
H317:	34.957	H317-1A:	0.000	H317-1B:	0.000		
H318:	1.406	H319:	43.453				
H334-1A:	0.000	H334-1B:	0.000				
H335:	0.000	H336:	0.000				
H340-1A:	0.000	H340-1B:	0.000	H341:	0.000		
H350-1A:	0.000	H350-1B:	0.000	H351:	0.000		
H360-1A:	0.000	H360-1B:	0.000	H361:	0.000	H362:	0.000
H370:	0.000	H371:	0.000	H372:	0.000	H373:	0.000
H400:	0.027	H410:	0.020	H411:	0.380	H412:	4.200
H413:	0.277	H420:	0.000				

16.2. Full list of Hazard and Precautionary phrases

H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	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.
P272	Contaminated work clothing should not be allowed out of the workplace.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/container according to local regulations.
P273	Avoid release to the environment.

The information in this data sheet is to the best of our knowledge true and accurate, but all data, instructions and/or suggestions are made without guarantee. These statements are solely for the above-mentioned product and should help to take adequate safety precautions. This "Safety Data Sheet" replaces all previous ones.

Revision Date: 26/06/2020

IFRA Analysis (QRA2)

Fragrance Name: 5
Fragrance Code: FL0089F
Application: All perfumery applications

The above fragrance has been assessed according to the 49th amendment of the IFRA code of practice, and the concentration levels listed below (% w/w) indicate the maximum dosages allowed in each IFRA category.

Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.) Children's toys	Category 1	Contains non-flavour materials
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 and body spray, etc.)	Category 2	1.63056%
Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care Facial make-up and foundation Make-up remover for face, eyes and lips Nose pore strips Wipes or refreshing tissues for face, neck, hands, body Body paint (for children and adults) Facial masks for face, lips and around the eyes	Category 3	4.45000%
Fine fragrance of all types (eau de toilette, parfum, cologne, solid perfume, fragrancing cream, etc.) Fragranced bracelets Perfume kit fragrance ingredients / mixtures Scent pads, foil packs Scent strips for hydroalcoholic products	Category 4	31.46694%
Body creams, oils and lotions of all types Foot care products (creams & powders) Insect repellent (intended to be applied to the skin) All powders and talcs (excluding baby powders and talcs)	Category 5A	7.72370%
Face toner Moisturiser for face and eyes	Category 5B	5.50000%
Hand cream Nail care products including cuticle creams, etc. Hand sanitisers	Category 5C	6.66680%
Baby cream / lotion, baby oil, baby powders and talcs	Category 5D	1.75000%
Toothpaste Mouthwash, including breath sprays	Category 6	Contains non-flavour materials
Rinse-off hair permanent or other hair chemical treatments (e.g. relaxers), excluding hair dyes	Category 7A	5.33344%
Leave-on products applied to the hair with some hand contact, including: Hair sprays of all types (pumps, aerosol sprays, etc.) Hair styling aids (mousse, gels, leave-in conditioners) Leave-on hair permanent or other hair chemical treatments (e.g. relaxers), including hair dyes Dry shampoo or waterless shampoo Hair deodoriser	Category 7B	5.33344%
Intimate wipes Tampons Baby wipes Toilet paper (wet)	Category 8	1.75000%

Bar soap Shampoo of all type Cleanser for face, eyes and lips Conditioner (rinse-off) Liquid soap Body washes and shower gels of all types Baby wash, bath, shampoo Bath gels, foams, mousses, salts, oils and other products added to bathwater Foot care products (feet are placed in a bath for soaking) Shaving creams of all types (stick, gels, foams, etc.) All depilatories (including facial) and waxes for mechanical hair removal Shampoos for pets	Category 9	13.33360%
Hand wash laundry detergent (including concentrates) Laundry pre-treatment of all types (e.g. paste, sprays, sticks) Hand dishwashing detergent (including concentrates) Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.) Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates Dry cleaning kits Toilet seat wipes Fabric softeners of all types including fabric softener sheets 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, deodorisers for textiles or fabrics) Floor wax Fragranced oil for lamp ring, reed diffusers, pot-pourri, etc. Odored distilled water (that can be added to steam irons)	Category 10A	13.33360%
Sprays (of all types) applied to animals Air freshener sprays, including aerosol and pump Aerosol/spray insecticides	Category 10B	79.99998%
Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate without UV exposure, including: Feminine hygiene conventional pads, liners, interlabial pads Diapers (baby and adult) Adult incontinence pant, pad Toilet paper (dry)	Category 11A	1.75000%
Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate with potential UV exposure, including: Tights with moisturisers Scented socks, gloves Facial tissues (dry tissues) Napkins Paper towels Wheat bags Facial masks (paper/protective) e.g. surgical masks not used as medical device Solid fertilisers (pellet or powder)	Category 11B	1.75000%

Products not intended for direct skin contact, minimal or insignificant transfer to skin, including:

Category 12

Not restricted

Candles of all types (including encased)
 Machine laundry detergents with minimal skin contact (e.g. liquid tabs, pods)
 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, air freshening crystals)
 Air delivery systems
 Cat litter
 Cell phone cases
 Deodorisers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders)
 Fuels
 Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays
 Joss sticks or incense sticks
 Machine dishwasher detergent and deodorisers
 Paints
 Plastic articles (excluding toys)
 Scratch and sniff
 Scent pack
 Scent delivery system (using dry air technology)
 Shoe polishes
 Toilet blocks

This fragrance contains the following materials that have been identified for having the potential of forming nitrosamines in nitrosating systems:

Chemical Name	Cas Number	Qty %
Methyl N-methylantranilate	85-91-6	0.0005%

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 issued 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 needs be.

This IFRA analysis covers all IFRA categories, and Fragrance Liaison Ltd cannot take responsibility for the effects of future updates to the IFRA CoP as we will be unable to determine continued compliance since specific in use application and dosage information are not known.

Furthermore this document is a safety assessment and does not imply stability or compatibility of the fragrance compound in all of the applications mentioned.

Allergen Analysis

INFORMATION SUPPLIED IN LINE WITH THE COSMETIC PRODUCTS REGULATION (EC) 1223/2009 AND DETERGENTS REGULATION (EC) 648/2004

Fragrance Name: 5
Fragrance Code: FL0089F

Perfume Ingredient given as listed in legislation (Common Name)	Cas Number	% Concentration Present (w/w)		Total
		Added as such	From natural & other sources	
Amyl cinnamal	122-40-7	Absent	0.0214	0.0214
Amylcinnamyl alcohol	101-85-9	Absent	0.0001	0.0001
Anise alcohol	105-13-5	Absent	Trace	Trace
Benzyl alcohol	100-51-6	Absent	0.9840	0.9840
Benzyl benzoate	120-51-4	0.1577	0.0355	0.1932
Benzyl cinnamate	103-41-3	Absent	0.0130	0.0130
Benzyl salicylate	118-58-1	0.2903	0.0013	0.2916
Cinnamal	104-55-2	Trace	Absent	Trace
Cinnamyl alcohol	104-54-1	Absent	Trace	Trace
Citral	5392-40-5	Absent	0.0363	0.0363
Citronellol	106-22-9	0.1225	0.0927	0.2151
Coumarin	91-64-5	2.0000	Trace	2.0000
Eugenol	97-53-0	0.0594	0.0080	0.0674
Farnesol	4602-84-0	Absent	0.0016	0.0016
Geraniol	106-24-1	2.7879	0.0329	2.8208
Hexyl cinnamal	101-86-0	Absent	0.0001	0.0001
Hydroxycitronellal	107-75-5	3.9501	0.0608	4.0109
Isoeugenol	97-54-1	0.3491	0.0004	0.3496
Butylphenyl methylpropional	80-54-6	0.7500	Absent	0.7500
Limonene	5989-27-5	0.0027	0.0383	0.0410
Linalool	78-70-6	3.1281	0.1922	3.3203
Hydroxyisohexyl 3-cyclohexene carboxaldehyde	31906-04-4	Absent	Absent	Absent
Methyl 2-octynoate	111-12-6	Absent	Absent	Absent
alpha-Isomethyl ionone	127-51-5	0.7499	Absent	0.7499
Evernia prunastri extract	90028-68-5	Absent	Absent	Absent
Evernia furfuracea extract	90028-67-4	Absent	Absent	Absent

This information is generated by calculation and is given to the best of our knowledge based upon the formulation and information on its components received from our ingredient suppliers and therefore may be subject to change.

"Trace" reflects the presence of a component at a level of <0.0001% in the fragrance oil.

Evaluated on: 02 July 2020