

IFRA Analysis (QRA2)

Fragrance Name: GARDEN HERBS
Fragrance Code: FL0051F
Application: All perfumery applications

The above fragrance has been assessed according to the 51st 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	2.24000%
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	0.16000%
Fine fragrance of all types (eau de toilette, parfum, cologne, solid perfume, fragancing cream, etc.) Fragranced bracelets Perfume kit fragrance ingredients / mixtures Scent pads, foil packs Scent strips for hydroalcoholic products	Category 4	9.60000%
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	1.84000%
Face toner Moisturiser for face and eyes	Category 5B	0.19200%
Hand cream Nail care products including cuticle creams, etc. Hand sanitisers	Category 5C	0.25600%
Baby cream / lotion, baby oil, baby powders and talcs	Category 5D	0.06480%
Toothpaste Mouthwash, including breath sprays	Category 6	Contains non-flavour materials
Rinse-off hair permanent or other hair chemical treatments (e.g. relaxers), including rinse-off hair dyes	Category 7A	0.74400%
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-on conditioners) Leave-on hair permanent or other hair chemical treatments (e.g. relaxers), including leave-on hair dyes Dry shampoo or waterless shampoo Hair deodoriser	Category 7B	0.74400%
Intimate wipes Tampons Baby wipes Toilet paper (wet)	Category 8	0.06480%

Bar soap	Category 9	2.96000%
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		
Hand wash laundry detergent (including concentrates)	Category 10A	2.96000%
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)		
Sprays (of all types) applied to animals	Category 10B	2.96000%
Air freshener sprays, including aerosol and pump		
Aerosol/spray insecticides		
Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate without UV exposure, including:	Category 11A	0.06480%
Feminine hygiene conventional pads, liners, interlabial pads		
Diapers (baby and adult)		
Adult incontinence pant, pad		
Toilet paper (dry)		
Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate with potential UV exposure, including:	Category 11B	0.06480%
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)		

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 dishwash 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:

None

This document is generated by computer and consequently is not signed.

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 supplier and is therefore subject to change. Threshold limit for reporting purposes is 1ppm. All concentrations shown are %w/w.

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 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.

Safety Data Sheet

Revision Date: 30/06/2020

SECTION 1: Identification of the mixture and of the company

1.1. Product Identifier

Trade code: FL0051F

Trade name: GARDEN HERBS

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
Glengarry, Whitsome,
Berwickshire TD11 3NG

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

Hazardous to the aquatic environment, Acute, category 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment, Chronic, category 2	H411	Toxic to aquatic life with long lasting effects.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.

2.2. Label elements

Label elements according to EC 1272/2008

Signal Word: Warning

Pictograms:



Hazard Statements:

H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H317	May cause an allergic skin reaction.

Precautionary Statements:

P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P391	Collect spillage.

Hazardous components which must be listed on the label:

54464-57-2	1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone
78-70-6	3,7-Dimethylocta-1,6-dien-3-ol

87-44-5 4,11,11-Trimethyl-8-methylenebicyclo[7.2.0]undec-4-ene
 470-82-6 1,3,3-trimethyl-2-oxabicyclo[2.2.2]octane

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
25-50	Benzyl benzoate	120-51-4	204-402-9	H302, H400, H411
2.5-10	1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone	54464-57-2	259-174-3	H315, H317, H410
2.5-10	3,7-Dimethylocta-1,6-dien-3-ol	78-70-6	201-134-4	H315, H317, H319
1.0-2.5	1-(3-Methoxypropoxy)propan-1-ol	34590-94-8	252-104-2	
1.0-2.5	4,11,11-Trimethyl-8-methylenebicyclo[7.2.0]undec-4-ene	87-44-5	201-746-1	H304, H317, H413
< 1.0	1,3,3-trimethyl-2-oxabicyclo[2.2.2]octane	470-82-6	207-431-5	H226, H317
< 1.0	(1S-endo)-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-ol	464-45-9	207-353-1	H315
< 1.0	2-Butyl-4,4,6-trimethyl-1,3-dioxane	54546-26-8	259-210-8	H412
< 1.0	5-Isopropyl-2-methylphenol	499-75-2	207-889-6	H302, H315, H317, H319
< 1.0	1-Isopropyl-4-methylbenzene	99-87-6	202-796-7	H226, H304, H411
< 1.0	Phenol, 5-methyl-2-(1-methylethyl)-	89-83-8	201-944-8	H302, H314, H411
< 1.0	1-Isopropyl-4-methylbicyclo[3.1.0]hexan-3-one	546-80-5	208-912-2	H302
< 1.0	2-(4-Methylcyclohex-3-en-1-yl)propan-2-ol	98-55-5	202-680-6	H315, H319
< 1.0	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one	464-49-3	207-355-2	H228, H302, H332, H371
< 1.0	2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	80-56-8	201-291-9	H226, H304, H315, H317, H400, H410
< 1.0	Propyl (2S)-2-(1,1-dimethylpropoxy)-propanoate	319002-92-1	437-530-0	H412
< 1.0	Petroselinum crispum seed oil	8000-68-8	281-677-1	H226, H304, H315, H317, H400, H410
< 1.0	6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptane	127-91-3	204-872-5	H226, H304, H315, H317, H400, H410
< 1.0	(R)-p-Mentha-1,8-diene	5989-27-5	227-813-5	H226, H304, H315, H317, H400, H410
< 1.0	1,1'-[Oxybis(methylene)]dibenzene	103-50-4	203-118-2	H317, H400, H410
< 1.0	2,2-Dimethyl-3-methylenebicyclo[2.2.1]heptane	79-92-5	201-234-8	H228, H400, H410
<0.01	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	Ethyl alcohol	64-17-5	200-578-6	H225, H319
<0.0001	Benzene impurity	71-43-2	200-753-7	H224, H304, H315, H319, H340, H350, 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>
1-(3-Methoxypropoxy)propan-1-ol			308	50
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
Toluene impurity	384	100	191	50
2-Furaldehyde	20	5	8	2
Ethyl alcohol			1920	1000
Benzene impurity	40	2.5	10	0.1

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	1.02
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: >5000

ATE Oral: 3012

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	3082
ADR-Class	9
ADR-Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Contains: Benzyl benzoate)
ADR-Packing Group	III
ADR-Tunnel Code	E
IATA-UN Number	3082
IATA-Class	9
IATA-Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Contains: Benzyl benzoate)
IATA-Label	Miscellaneous
IATA-Packing Group	III

IATA-S.P.	A97
IATA-ERG	9L
IMDG-Marine Pollutant	Marine Pollutant
IMDG-UN Number	3082
IMDG-Class	9
IMDG-Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Contains: Benzyl benzoate)
IMDG-Packing group	III
IMDG-Storage Category	A

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:	0.130	H305:	0.000		
H314-1A:	0.000	H314-1B:	0.000	H314-1C:	0.000
H315:	0.978	H316:	0.000		
H317:	6.000	H317-1A:	0.000	H317-1B:	0.000
H318:	0.000	H319:	0.378		
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
H370:	0.000	H371:	0.000	H372:	0.000
H400:	2.024	H410:	0.272	H411:	4.711
H413:	2.284	H420:	0.000	H412:	47.284

16.2. Full list of Hazard and Precautionary phrases

H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H317	May cause an allergic skin reaction.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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.
P391	Collect spillage.
P501	Dispose of contents/container according to local regulations.

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: 30/06/2020

Allergen Analysis

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

Fragrance Name: GARDEN HERBS

Fragrance Code: FL0051F

Perfume Ingredient given as listed in legislation (Common Name)	Cas Number	% Concentration Present (w/w)		
		Added as such	From natural & other sources	Total
Amyl cinnamal	122-40-7	Absent	Absent	Absent
Amylcinnamyl alcohol	101-85-9	Absent	0.0001	0.0001
Anise alcohol	105-13-5	Absent	Absent	Absent
Benzyl alcohol	100-51-6	Absent	0.0501	0.0501
Benzyl benzoate	120-51-4	49.7985	0.0005	49.7990
Benzyl cinnamate	103-41-3	Absent	Trace	Trace
Benzyl salicylate	118-58-1	Absent	Trace	Trace
Cinnamal	104-55-2	Absent	Absent	Absent
Cinnamyl alcohol	104-54-1	Absent	Absent	Absent
Citral	5392-40-5	Absent	0.0017	0.0017
Citronellol	106-22-9	0.0010	0.0010	0.0020
Coumarin	91-64-5	Absent	Absent	Absent
Eugenol	97-53-0	0.0016	0.0009	0.0025
Farnesol	4602-84-0	Absent	0.0007	0.0007
Geraniol	106-24-1	0.0015	0.0050	0.0066
Hexyl cinnamal	101-86-0	Absent	Absent	Absent
Hydroxycitronellal	107-75-5	Absent	Absent	Absent
Isoeugenol	97-54-1	Absent	Trace	Trace
Butylphenyl methylpropional	80-54-6	Absent	Absent	Absent
Limonene	5989-27-5	Absent	0.1302	0.1302
Linalool	78-70-6	3.7454	0.0394	3.7848
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	Absent	Absent	Absent
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