



#### **CERTIFICATE OF ANALYSIS**

### **GREEN APPLE FRAGRANCE**

**Batch No.: 4378106**

**Best Before End: November 2022**

<b>Analysis Description</b>	<b>Minimum Value</b>	<b>Maximum Value</b>	<b>Result</b>	<b>Compliance</b>
Appearance			Clear mobile liquid	Pass
Colour			Colourless-v.pale yellow	Pass
Odour			Characteristic, apples	Pass
Specific Gravity at 20°C	0.978	1.038	1.007	Pass
Refractive Index at 20°C	1.416	1.466	1.442	Pass

Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air.

Expiry date must be considered as subjective; the expiry date given here is based on the best of our knowledge and experience of the material when stored under recommended conditions in original unopened containers.

Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However, we ensure that this does not affect the quality and efficacy of the products in any way.

We hereby certify that the above material meets the required specification and is released for free sale.



## DECLARATION OF ALLERGENS

### GREEN APPLE

Material	CAS Number	Total Allergen Inclusion Level (%)
ALPHA-ISOMETHYL IONONE	127-51-5	-
AMYL CINNAMAL	122-40-7	-
AMYL CINNAMYL ALCOHOL	101-85-9	-
ANISE ALCOHOL	105-13-5	-
BENZYL ALCOHOL	100-51-6	1.472
BENZYL BENZOATE	120-51-4	-
BENZYL CINNAMATE	103-41-3	-
BENZYL SALICYLATE	118-58-1	-
BUTYLPHENYL METHYLPROPIONAL	80-54-6	-
CINNAMAL	104-55-2	-
CINNAMYL ALCOHOL	104-54-1	-
CITRAL	5392-40-5	-
CITRONELLOL	106-22-9	-
COUMARIN	91-64-5	-
EUGENOL	97-53-0	-
EVERNIA FURFURACEA EXTRACT	90028-67-4	-
EVERNIA PRUNASTRI EXTRACT	90028-68-5	-
FARNESOL	4602-84-0	-
GERANIOL	106-24-1	-
HEXYL CINNAMAL	101-86-0	0.052
HYDROXYCITRONELLAL	107-75-5	-
HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	-
ISO EUGENOL	97-54-1	-
LIMONENE	5989-27-5	0.037
LINALOOL	78-70-6	-
METHYL 2-OCTYNOATE	111-12-6	-

Revision Date: 05/10/2015

Revision: 0



## IFRA CONFORMITY CERTIFICATE

### GREEN APPLE

We certify that the above material complies with the Standards of the International Fragrance Association (IFRA), amendment 48, published in June 2015, provided it is used in the following classes at a maximum concentration level of:

Combined IFRA Category	Maximum level of use (% w/w)
Class 1.A	N/A
Class 1.B	43.70
Class 2	56.55
Class 3.A	100.00
Class 3.B	100.00
Class 3.C	100.00
Class 3.D	100.00
Class 4.A	100.00
Class 4.B	100.00
Class 4.C	100.00
Class 4.D	100.00
Class 5	100.00
Class 6	N/A
Class 7.A	100.00
Class 7.B	100.00
Class 8.A	100.00
Class 8.B	100.00
Class 9.A	100.00
Class 9.B	100.00
Class 9.C	100.00
Class 10.A	100.00
Class 10.B	100.00
Class 11.A	100.00 (See Note 1)
Class 11.B	100.00 (See Note 1)

For other kinds of applications a new evaluation may be needed.

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

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

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

Note 1: It is recommended that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution.

Note 2: Trials must be performed to satisfy suitability for specified application

Revision Date: 19/10/2015

Revision: 0

## ANNEX: Definition of IFRA Classes

Finished product types	IFRA class
Toys	Class 1A
Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, lip wax etc...),	Class 1B
Waxes for mechanical hair removal	Class 1B
Deodorant and Antiperspirant products of all types (spray, stick, roll-on, under-arm and body etc...)	Class 2
Fragranced bracelets	Class 2
Hydroalcoholic products applied to recently shaved skin (EdT range)	Class 3.A
Hydroalcoholic products applied to recently shaved skin (fine fragrance range)	Class 3.B
Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc...)	Class 3.C
Men's Facial Creams, Balms.	
Baby creams, Lotions, Oils	
Body paint for children	
Tampons	Class 3.D
Hydroalcoholic Products applied to unshaved skin (EdT range)	Class 4.A
Ingredients of Perfume Kits, Scent Strips for Hydroalcoholic Products.	Class 4.A
Hydroalcoholic Products applied to unshaved skin, Fine Fragrance range	Class 4.B
Hair Styling Aids Sprays of all types (pumps, aerosol sprays, etc...). Hair Deodorant	Class 4.C
Body Creams, Oils, Lotions of all types (except baby creams, lotions, oils)	
Fragrance Compounds for Cosmetic Kits, Foot Care Products	
Fragrancing Creams of all types	Class 4.D
Women's Facial Creams/Facial Make-up/Facial Wipes. Facial Masks, Hand Cream, Baby Powder &Talc	Class 5
Hair permanent & other hair chemical treatments (e.g. relaxers) but not hair dyes	
Wipes or refreshing tissues for Face, Neck, Hands, Body	
Dry shampoo or waterless shampoo	
Mouthwash, including breath sprays	Class 6
Toothpaste	
Intimate Wipes, Baby Wipes	Class 7A
Insect repellent (intended to be applied to skin)	Class 7B
Make-up Removers of all types (not including face cleansers)	Class 8A
Hair Styling Aids Non-Spray of all types (mousse, gels, leave-in conditioners etc...)	
Nail Care, all Powders & Talcs (NOT including baby powders and talcs)	
Hair dyes	Class 8B
Liquid Soap, Bar Soap (toilet soap), Depilatory,	Class 9.A
Conditioner (rinse-off), Shampoos of all types (including baby shampoos)	
Face Cleansers of all types (washes, gels, scrubs, etc...) Shaving Creams of all types (stick, gels, foams, Depilatory	
Body Washes of all types (including baby washes) and Shower Gels of all types	
Bath Gels, Foams, Mousses, Salts, Oils and other products added to bathwater	
Bar soap (Toilet soap)	
Feminine pads/Liners	Class 9.B
Toilet paper	
Wheat bags	
Facial tissues, Napkins, Paper towels	Class 9.C
Aerosols (including air fresheners sprays but not including deodorant/antiperspirants, hair styling aids	
Hand wash/Machine Wash Laundry Detergents of all types (liquid, powder, tablet, etc...) including Laundry Bleaches and concentrates	Class 10.A
Other Household Cleaning Products (fabric cleaners, soft surface cleaners, carpet cleaners etc...), Dry Cleaning Kits	
Fabric Softeners of all types including softener sheets. Hand Dishwashing Detergent including	
Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish etc...), Shampoos	
Diapers.	Class 10.B
Toilet seat wipes	

<p>All non-skin contact, including:</p> <p>Air Fresheners and fragrancing of all types (excluding aerosol products): concentrated aerosol air fresheners, plug-ins, solid substrate, membrane delivery; Toilet blocks; Joss Sticks, Incense; Insecticides (mosquito coil, paper, electrical, etc...excluding aerosols); Plastic articles (excluding toys); Candles; Fuels; Paints. Fragranced lamp ring. Scent pack. Floor wax</p> <p>Scent delivery system using a dry air technology that releases a fragrance without sprays, aerosols or heated oils (technology of nebulization).</p> <p>Air delivery systems.</p>	Class 11.A
<p>All incidental skin contact, including:</p> <p>Machine Dish wash Detergents and Deodorizers. Machine only Laundry Detergents (e.g. liquitabs)</p> <p>Deodorizers/Maskers (e.g. fabric drying machine deodorizers, carpet powder)</p> <p>Pot pourri, fragrancing sachets, liquid refills for air fresheners, etc...</p> <p>Shoe polishes; Cat Litter; Animal Sprays (excluding aerosols); Treated Textiles ; Odored Distilled Water</p> <p>Scratch and Sniff (sampling technology)</p> <p>Infused socks</p>	Class 11.B



## SAFETY DATA SHEET GREEN APPLE FRAGRANCE

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name GREEN APPLE FRAGRANCE

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

Identified uses Concentrated material for manufacturing purposes only.

#### 1.3. Details of the supplier of the safety data sheet

Supplier  
MADAR Corporation Limited  
19-20 Sandleheath Industrial Estate  
Fordingbridge  
Hampshire  
SP6 1PA  
+ 44 (0) 1425 655555

Approved sellers Cosmetic Butters, Mystic Moments, New Directions, World of Moulds

Email sales@madarcorporation.co.uk

#### 1.4. Emergency telephone number

Emergency telephone +44 (0) 1425 655555 Office Hours are 09:00 - 16:30 weekdays only

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards Not Classified  
Health hazards Not Classified  
Environmental hazards Aquatic Chronic 3 - H412

#### 2.2. Label elements

Hazard statements H412 Harmful to aquatic life with long lasting effects.  
EUH208 Contains HEXYL SALICYLATE, DIMETHYL-3-CYCLOHEXENE-1-CARBALDEHYDE. May produce an allergic reaction.  
Precautionary statements P273 Avoid release to the environment.  
P501 Dispose of contents/ container in accordance with national regulations.

#### 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

## GREEN APPLE FRAGRANCE

<b>2-T-BUTYLCYCLOHEXYL ACETATE</b>		<b>5-10%</b>
CAS number: 88-41-5                      EC number: 283-493-7		
<b>Classification</b> Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b> N; R51/53	
<b>2-PROPENYL HEPTANOATE (ALLYL HEPTANOATE)</b>		<b>1-5%</b>
CAS number: 142-19-8                      EC number: 205-527-1		
M factor (Acute) = 1		
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412	<b>Classification (67/548/EEC or 1999/45/EC)</b> T; R25. N; R50. R52/53	
<b>HEXYL SALICYLATE</b>		<b>&lt;1%</b>
CAS number: 6259-76-3                      EC number: 228-408-6		
M factor (Acute) = 1		
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi; R36/38. N; R50/53. R43	
<b>DIMETHYL-3-CYCLOHEXENE-1-CARBALDEHYDE</b>		<b>&lt;1%</b>
CAS number: 27939-60-2                      EC number: 248-742-6		
<b>Classification</b> Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn; R21. Xi; R38. N; R51/53. R43	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## GREEN APPLE FRAGRANCE

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information	Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. See Section 11 for additional information on health hazards.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Water.

#### 5.2. Special hazards arising from the substance or mixture

Specific hazards	Toxic gases or vapours.
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#### 5.3. Advice for firefighters

Protective actions during firefighting	Containers close to fire should be removed or cooled with water.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage.
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#### 6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
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#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Keep combustible materials away from spillage. Eliminate all sources of ignition. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash thoroughly after dealing with a spillage.
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## GREEN APPLE FRAGRANCE

### 6.4. Reference to other sections

#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing.
<b>Advice on general occupational hygiene</b>	Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet.

##### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.
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##### 7.3. Specific end use(s)

#### SECTION 8: Exposure Controls/personal protection

##### 8.1. Control parameters

##### 8.2. Exposure controls

###### Protective equipment



###### Appropriate engineering controls

Provide adequate ventilation.

###### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

###### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

###### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

###### Hygiene measures

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

###### Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

###### Environmental exposure controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

#### SECTION 9: Physical and Chemical Properties

##### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Colourless to pale yellow.
<b>Odour</b>	Characteristic.
<b>Flash point</b>	> 62°C
<b>Relative density</b>	~ 1.008 @ 20°C

##### 9.2. Other information

BiOrigins, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK  
Tel: 01425 655555 Email: [technical@madarcorporation.co.uk](mailto:technical@madarcorporation.co.uk)

## GREEN APPLE FRAGRANCE

Refractive index ~ 1.441 @ 20°C

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Will not polymerise.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

#### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents. Strong acids. Strong alkalis.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**ATE oral (mg/kg)** 7,009.65

##### Acute toxicity - dermal

**ATE dermal (mg/kg)** 26,045.02

##### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 96.46

**General information** No specific health hazards known.

**Inhalation** No specific health hazards known.

**Ingestion** No specific health hazards known. No harmful effects expected from quantities likely to be ingested by accident.

**Skin contact** No specific health hazards known.

**Eye contact** Vapour or spray in the eyes may cause irritation and smarting.

**Acute and chronic health hazards** No specific health hazards known.

**Medical symptoms** No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

**Medical considerations** May cause allergic contact eczema. Prolonged or repeated exposure may cause the following adverse effects: Allergic rash. Get medical attention.

### 2-PROPENYL HEPTANOATE (ALLYL HEPTANOATE)

#### Acute toxicity - oral

## GREEN APPLE FRAGRANCE

Acute toxicity oral (LD<sub>50</sub>) 218.0  
mg/kg)

Species Rat

ATE oral (mg/kg) 218.0

### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>) 810.0  
mg/kg)

Species Rat

ATE dermal (mg/kg) 810.0

### Acute toxicity - inhalation

ATE inhalation (vapours 3.0  
mg/l)

## SECTION 12: Ecological Information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

### 12.1. Toxicity

#### 2-PROPENYL HEPTANOATE (ALLYL HEPTANOATE)

#### Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C<sub>50</sub> ≤ 1

M factor (Acute) 1

### 12.2. Persistence and degradability

**Persistence and degradability** The product contains substances which are not expected to be biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

**Mobility** The product contains substances which are insoluble in water and which may spread on water surfaces.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste product or used containers in accordance with local regulations

## GREEN APPLE FRAGRANCE

### SECTION 14: Transport information

**General**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

No transport warning sign required.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

## GREEN APPLE FRAGRANCE

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>EU legislation</b>	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40.

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

<b>Key literature references and sources for data</b>	European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>
<b>Issued by</b>	Regulatory Manager
<b>Revision date</b>	11/09/2018
<b>Revision</b>	1
<b>Hazard statements in full</b>	H301 Toxic if swallowed. H311 Toxic in contact with skin. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H331 Toxic if inhaled. 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. EUH208 Contains HEXYL SALICYLATE, DIMETHYL-3-CYCLOHEXENE-1-CARBALDEHYDE. May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



## MATERIAL SPECIFICATION

### GREEN APPLE

Analysis Description	Minimum Value	Maximum Value	Description
Appearance			Clear mobile liquid
Colour			Colourless-v.pale yellow
Odour			Characteristic, apples
Specific Gravity at 20°C	0.978	1.038	
Refractive Index at 20°C	1.416	1.466	
Flash Point °C		>62	

Issue Date: 23/12/14

Revision: 0

Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air. Shelf life must be considered as subjective; the shelf life given here is based on the best of our knowledge and experience of the material when stored under recommended conditions, see SDS, in original unopened containers. Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However, we ensure that this does not affect the quality and efficacy of the the products in any way.