

# SAFETY DATA SHEET

Printed on 20 September 2017

GHS: According to 2015/830/EU

Code Number                    DEV-50377  
Version 1 Revised 20/09/2017 11:04:54

## Section 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product Identifier

Product Name                    PEAR ECO FRAGRANCE OIL  
Code Number                    DEV-50377  
Alternative Name  
REACH Reg No                    Not registered

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

Concentrated material for manufacturing purposes only

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

LiveMoor  
Unit 9a, Foresters Business Park,  
Estover Close,  
Plymouth  
PL6 7PL  
Telephone Number                Tel No.: 01752 695 220  
Email Address                    Email: [info@livemoor.co.uk](mailto:info@livemoor.co.uk)

### 1.4 Emergency Tel No    Emergency No.01752 695 220

## Section 2. Hazard Identification

### 2.1 Classification of the substance or mixture

SS 1                                Skin sensitisation, category 1  
EDI 2A                            Eye damage/irritation, category 2A  
EH A2                            Aquatic hazard, acute, category 2  
EH C2                            Aquatic hazard, chronic, category 2

*The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.*

# SAFETY DATA SHEET

Printed on 20 September 2017

GHS: According to 2015/830/EU

Code Number DEV-50377

Version 1 Revised 20/09/2017 11:04:54

## 2.2 Label elements

GHS classification according to Regulation (EC) No 1272/2008

### Hazard Pictograms



**Signal Word** Warning

### Hazard Statements

- H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation  
H411 Toxic to aquatic life with long lasting effects

### Precautionary Statements

- P261 Avoid breathing fumes.  
P264 Wash hands thoroughly after handling  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves and eye protection  
P302+P352 IF ON SKIN: Wash with plenty of water.

## 2.3 Other Hazards

Contains Benzyl Alcohol, Benzyl Benzoate, Benzyl Salicylate, Citronellol, Eugenol, Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde (Lyral), Limonene and Methyl 2-Octynoate which may produce an allergic reaction

No further information available at this time

## Section 3. Composition / information on ingredients

Any percentage values listed here for hazardous components are for illustrative purposes only

### 3.2 Mixtures

Complex mixture of fragrance ingredients

*The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.*

# SAFETY DATA SHEET

Printed on 20 September 2017

GHS: According to 2015/830/EU

Code Number *DEV-50377*

Version 1 Revised 20/09/2017 11:04:54

## Hazardous components

ID Numbers	Chemical Name, Classification and Hazards	Conc (%)
CAS 84-66-2 EINECS 201-550-6 REACH	Diethyl phthalate (DEP)  SCI 3;EH A3 H316,H402	>=25%
CAS 100-51-6 EINECS 202-859-9 REACH	Benzyl alcohol (Phenylmethyl alcohol)  ATO 4(1620);ATD 5(2500);EDI 2A;ATI 4 H302,H313,H319,H332	>=10%,<25%
CAS 5989-27-5 EINECS 227-813-5 REACH	d-Limonene (R)-p-Mentha-1,8-diene (Marine Pollutant P)  FL 3;AH 1;SCI 2;SS 1B;EH A1,C1 H226,H304,H315,H317,H400,H410	>=1%,<3%
CAS 142-92-7 EINECS 205-572-7 REACH	n-Hexyl acetate (Acetate C-6)  FL 3;SCI 3;EH A2 H226,H316,H401	>=1%,<3%
CAS 105-53-3 EINECS 203-305-9 REACH	Diethyl malonate (Diethyl propandioate)  FL 4;SCI 3;EDI 2A H227,H316,H319	>=1%,<3%
CAS 110-19-0 EINECS 203-745-1 REACH	iso-Butyl acetate (Isobutyl acetate)  FL 2;STO-SE 3(NE);EH A3 H225,H336,H402	>=1%,<3%
CAS 118-58-1 EINECS 204-262-9 REACH	Benzyl salicylate (Phenylmethyl-2-hydroxybenzoate)  ATO 5(2200);SS 1B;EDI 2B;EH A2,C3 H303,H317,H320,H401,H412	>=1%,<3%
CAS 120-51-4 EINECS 204-402-9 REACH	Benzyl benzoate (Phenylmethyl benzoate)  ATO 4(1500);ATD 5(4000);EH A1,C2 H302,H313,H400,H411	>=1%,<3%
CAS 1506-02-1 EINECS 216-133-4 REACH	6-Acetyl-1,1,2,4,4,7-hexamethyltetraline (Tonalide,Fixolide,AHTN)  ATO 4(1000);EH A1,C1 H302,H400,H410	>=0.1%,<1%
CAS 111-12-6 EINECS 203-836-6 REACH	Methyl heptine carbonate (Folione) (Methyl-2-octynoate)  FL 4;ATO 4(1530);SCI 3;SS 1A H227,H302,H316,H317	>=0.1%,<1%
CAS 1222-05-5 EINECS 214-946-9 REACH	Galaxolide (Abbalide) (HHCB) (1,2,3,4,6,7-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-2-benzopyran SCI 3;EH A1,C1 H316,H400,H410	>=0.1%,<1%

Refer to section 16 for the wording of listed classification and hazard statement codes

*The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.*

# SAFETY DATA SHEET

Printed on 20 September 2017

GHS: According to 2015/830/EU

Code Number DEV-50377

Version 1 Revised 20/09/2017 11:04:54

## Section 4. First Aid measures

Take phrases in sections 2 into account

### 4.1 Description of first aid measures

#### After inhalation

Remove from the exposure area to fresh air. Contact a doctor if necessary.

#### After skin contact

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

#### After eye contact

Flush with plenty of water and seek medical advice if necessary.

#### After ingestion

Wash mouth with plenty of water and obtain medical advice immediately.

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

No further information available at this time

### 4.3 Indication of immediate medical attention and special treatment needed

No further information available at this time

## Section 5. Fire-fighting measures

### 5.1 Extinguishing Media

Carbon dioxide, foam or dry powder.  
DO NOT USE A DIRECT WATER JET.

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

May produce Carbon dioxide and unidentified organic compounds.

### 5.3 Advice for fire-fighters

Wear protective clothing and avoid inhalation of vapours. Keep containers cool with water spray

## Section 6. Accidental release measures

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

Remove all sources of ignition.  
Avoid inhalation, skin and eye contact.  
Ensure proper ventilation.

### 6.2 Environmental precautions

Do not discharge directly into drains or the soil. Keep away from surface and ground water

*The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.*

# SAFETY DATA SHEET

Printed on 20 September 2017

GHS: According to 2015/830/EU

Code Number DEV-50377

Version 1 Revised 20/09/2017 11:04:54

## 6.3 Methods and material for containment and cleaning up

Soak up spillage with sand or other inert absorbant material such as earth or vermiculite; transfer used material to a suitable waste container and dispose in accordance with regulations.

## 6.4 Reference to other sections

Refer to information in Sections 7, 8 and 13

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes.

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

Store in tightly sealed original containers away from ignition sources and in a cool place.

### 7.3 Specific end use(s)

No further information available

## Section 8. Exposure controls / personal protection

### 8.1 Control Parameters

No information

### 8.2 Exposure controls

#### Engineering controls

No information

#### Individual protection measures

Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period.

#### Eye/face protection

Wear safety goggles.

#### Hand protection

Wear chemically resistant disposable gloves.

#### Other skin protection

Wear overalls. Always wash routinely before breaks, meals and at the end of the work period.

#### Respiratory protection

Not generally required. Use inhalation protection in poorly ventilated areas

*The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.*

# SAFETY DATA SHEET

Printed on 20 September 2017

GHS: According to 2015/830/EU

Code Number DEV-50377

Version 1 Revised 20/09/2017 11:04:54

## Thermal hazards

No information

## Environmental exposure controls

No information

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

FLASH POINT (°C) >80

### 9.2 Other information

No further information available

## Section 10. Stability and reactivity

### 10.1 Reactivity

Not determined

### 10.2 Chemical Stability

Not determined

### 10.3 Possibility of hazardous reactions

Not determined

### 10.4 Conditions to avoid

Extreme temperatures

### 10.5 Incompatible materials

Highly reactive chemicals which may produce unknown reaction products and so cause additional hazards.

### 10.6 Hazardous decomposition products

Not determined

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

No data

#### Skin corrosion / irritation

No data

#### Serious eye damage / irritation

No data

*The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.*

# SAFETY DATA SHEET

Printed on 20 September 2017

GHS: According to 2015/830/EU

Code Number DEV-50377

Version 1 Revised 20/09/2017 11:04:54

## Respiratory or skin sensitisation

No data

## Germ cell mutagenicity

No data

## Carcinogenicity

No data

## Reproductive toxicity

No data

## STO-single exposure

No data

## STO-repeated exposure

No data

## Aspiration hazard

No data

## Information on likely routes of exposure

No data

## Symptoms related to the physical, chemical and toxicological characteristics

No data

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data

## Interactive effects

No data

## Other information

No data

## Section 12. Ecological information

### 12.1 Toxicity

No data available. Avoid soil, surface water and water-bearing stratum contamination.

### 12.2 Persistence and degradability

No data

*The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.*

# SAFETY DATA SHEET

Printed on 20 September 2017

GHS: According to 2015/830/EU

Code Number DEV-50377

Version 1 Revised 20/09/2017 11:04:54

## 12.3 Bioaccumulative potential

No data

## 12.4 Mobility in soil

No data

## 12.5 Results of PBT and vPvB assessment

No data

## 12.6 Other adverse effects

## Section 13. Disposal considerations

Please refer to the information in section 8 (Exposure controls and personal protection)

### 13.1 Waste treatment methods

Dispose in accordance with the law and local regulations. Treat as trade effluent.

## Section 14. Transport information

**14.1 UN number** 3082

**14.2 UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LIMONENE, TONALID)

**14.3 Transport hazard class(es)** 9

**14.4 Packing group** III

Tunnel Code (E)

### 14.5 Environmental Hazards

No relevant information available

### 14.6 Special precautions for user

No relevant information available

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

## Section 15. Regulatory information

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

No relevant information available at this time

*The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.*



# SAFETY DATA SHEET

Printed on 20 September 2017

GHS: According to 2015/830/EU

Code Number DEV-50377

Version 1 Revised 20/09/2017 11:04:54

## 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

## Section 16. Other information

### Full list of precautionary phrases

P261	Avoid breathing fumes.
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye protection
P302+P352	IF ON SKIN: Wash with plenty of water.

### Wording of any hazard classes listed in section 3

FL 2	Flammable liquid, category 2
FL 3	Flammable liquid, category 3
FL 4	Flammable liquid, category 4
ATO 4	Acute toxicity, oral, category 4
ATO 5	Acute toxicity, oral, category 5
AH 1	Aspiration hazard, category 1
ATD 5	Acute toxicity, dermal, category 5
SCI 2	Skin corrosion/irritation, category 2
SCI 3	Skin corrosion/irritation, category 3
SS 1A	Skin sensitisation, category 1A
SS 1B	Skin sensitisation, category 1B
EDI 2A	Eye damage/irritation, category 2A
EDI 2B	Eye damage/irritation, category 2B
ATI 4	Acute toxicity, inhalation, category 4
STO-SE 3(NE)	Specific target organ, single exposure, narcotic effects
EH A1	Aquatic hazard, acute, category 1
EH A2	Aquatic hazard, acute, category 2
EH A3	Aquatic hazard, acute, category 3
EH C1	Aquatic hazard, chronic, category 1
EH C2	Aquatic hazard, chronic, category 2
EH C3	Aquatic hazard, chronic, category 3

*The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.*

# SAFETY DATA SHEET

Printed on 20 September 2017

GHS: According to 2015/830/EU

Code Number DEV-50377

Version 1 Revised 20/09/2017 11:04:54

## Wording of any hazard statements listed in section 3

H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H227	Combustible liquid
H302	Harmful if swallowed
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
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H320	Causes eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful 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

Live!Floor  
natural living

*The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.*

## IFRA Conformity Certificate

Compound Name : PEAR ECO FRAGRANCE OIL

Code Number : DEV-50377

We certify that the above compound is in compliance with the standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA-48th amendment), provided it is used at a maximum concentration level of:

IFRA category (*)	Maximum level of use (%)(w/w) (**)
1 (***)	0.89 (***)
2	1.18
3A	2.96
3B	2.96
3C	2.96
3D	2.96
4A	2.96
4B	2.96
4C	2.96
4D	2.96
5	2.96
6 (***)	23.64 (***)
7A	2.36
7B	2.36
8A	2.96
8B	2.96
9A	2.96
9B	2.96
9C	2.96
10A	2.96
10B	2.96
11	100.00

(\*) See annex for definition of IFRA categories

(\*\*) Usage limit N/A = Not Applicable; no IFRA restrictions

(\*\*\*) IFRA would recommend 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

For other kinds of application or use at higher concentrations, a new safety evaluation may be needed; please contact White Rose Essential Oils

The IFRA Standards regarding 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.

*The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. It is your responsibility to ensure that the usage of the fragrance ingredients and the levels of such usage are permitted at all times according to the relevant laws and regulations*

Annex: Definition of IFRA QRA categories

Finished Product Types	IFRA category
Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.) Children's Toys	1
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.) Nose Pore Strips Fragranced Bracelets	2
Hydroalcoholic Products Applied To Recently Shaved Skin (includes After Shave) - EdT	3A
Hydroalcoholic Products Applied To Recently Shaved Skin (includes After Shave) - Fine Fragrance	3B
Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc.) including eye care Men's Facial Creams and Balms Baby Creams, Lotions, Oils Body Paint for Children	3C
Tampons	3D
EdT - Hydroalcoholic Products applied to unshaved skin (includes aqueous based, alcoholic based and hydroalcoholic) like Cologne, eau de cologne, Eau de Parfum or Parfum Ingredients of Perfume Kits Scent Pads, Foil packs Scent Strips for hydroalcoholic products	4A
Fine Fragrance - Hydroalcoholic Products applied to unshaved skin (includes aqueous based, alcoholic based and hydroalcoholic) like Cologne, eau de cologne, Eau de Parfum or Parfum	4B
Hair Styling Aids Sprays of all types (pumps, aerosol sprays, etc.) Body Creams, Oils, Lotions of all types (except baby creams, lotions and oils) Body sprays (including Body Mist) with no intended or reasonably foreseeable use on the axillae Fragrance Compounds for Cosmetic Kits Foot Care Products Hair deodorant Body Paint (except those for children)	4C
Fragrancing Cream, Solid Perfumes	4D
Facial Masks Women's Facial Creams/Facial Make-up, Hand Cream, Hand sanitizers, Baby Powder and Talc, Hair Permanent and 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	5(*) 5
Mouthwash, including Breath Sprays, Toothpaste	6
Intimate Wipes, Baby Wipes	7A
Insect Repellent (intended to be applied to the skin)	7B
Make-up Removers of all types (not including face cleansers), Hair Styling Aids Non-Spray of all types (mousse, gels, leave-conditioners, etc.), Nail Care, Powders and talcs, all types (except baby powders and talcs)	8A
Hair Dyes	8B
Conditioner (Rinse-Off), Liquid Soap, Shampoos of all types (including baby shampoos), Face Cleansers of all types (washes, gels, scrubs, etc.), Shaving Creams of all types (stick, gels, foams, etc.), All Depilatories (including waxes for mechanical hair removal), Body Washes of all types (including baby washes) and Shower Gels of all types, Bar Soap (Toilet Soap), Bath Gels, Foams, Mousses, Salts, Oils and Other Products added to bathwater	9A
Feminine hygiene - pads, liners, Toilet paper, Wheat bags	9B
Facial tissues, Napkins, Paper towels, Other Aerosols (including air freshener sprays and air freshener pump sprays, but not including deodorants/antiperspirants, hair styling aids sprays)	9C



LiveMoor  
natural living

## Allergen Analysis

Compound Name : PEAR ECO FRAGRANCE OIL

Code Number : DEV-50377

fragrance ingredient	CAS No.	Concentration present as a percentage (%) or 'A' for absent in fragrance		
		Added as such	From natural & other sources	Total
alpha-iso-Methylionone	127-51-5	A	A	A
Amyl Cinnamal	122-40-7	A	A	A
Amylcinnamyl Alcohol	101-85-9	A	A	A
Anise Alcohol	105-13-5	A	A	A
Benzyl Alcohol	100-51-6	10.91	A	10.91
Benzyl Benzoate	120-51-4	1.24	A	1.24
Benzyl Cinnamate	103-41-3	A	A	A
Benzyl Salicylate	118-58-1	1.62	A	1.62
Butylphenyl Methylpropional (Lilial)	80-54-6	A	A	A
Cinnamal	104-55-2	A	A	A
Cinnamyl Alcohol	104-54-1	A	A	A
Citral	106-26-3	A	A	A
	141-27-5			
	5392-40-5			
Citronellol	106-22-9	0.09	A	0.09
	1117-61-9			
	141-25-3			
	6812-78-8			
	68916-43-8			
	7540-51-4			
Coumarin	91-64-5	A	A	A
Eugenol	97-53-0	0.54	A	0.54
Evernia Furfuraceae (Tree Moss) Extract	90028-67-4	A	A	A
Evernia Prunastri (Oak Moss) Extract	90028-68-5	A	A	A
Farnesol	4602-84-0	A	A	A
Geraniol	106-24-1	A	A	A
Hexyl Cinnamal	101-86-0	A	A	A
Hydroxycitronellal	107-75-5	A	A	A
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde (Lyral)	31906-04-4	0.06	A	0.06
Isoeugenol	97-54-1	A	A	A
Limonene	138-86-3	2.89	A	2.89
	5989-27-5			
	5989-54-8			
Linalool	126-90-9	A	A	A
	126-91-0			
	78-70-6			
Methyl 2-Octynoate	111-12-6	0.34	A	0.34

*The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. We will not therefore accept liability for misuse of this data resulting in damage or loss.*