

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Fire Essential Oil Blend EOB.FIRE

**Version:** 1

### Section 1. Identification of the substance or the mixture and of the supplier

#### 1.1 Product Identifier

**Product identifier:** Fire Essential Oil Blend EOB.FIRE(Contains:Geraniol, Orange Sweet, Safrole, dl-Limonene (racemic))

**Other identifiers:** None

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

**Product uses:** Fragrances

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

**Company name:** MADAR Corporation Limited

**Company address:** 19-20 Sandleheath Industrial Estate  
Fordingbridge, Hampshire. SP6 1PA

**Contact:** Approved sellers: Mystic Moments, New Directions, World of Moulds  
MADAR Corporation Limited

**E-Mail address:** michelle@madarcorporation.co.uk

**Company phone:** +44 (0) 1425 655555

#### 1.4 Emergency telephone number

**Emergency phone:** +44 (0) 1425 655555

### Section 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification under Regulation (EC) No 1272/2008

**Class and category of danger:** Flammable Liquid, Hazard Category 3  
Skin Corrosion / Irritation Category 2  
Eye Damage / Irritation Category 2  
Sensitization - Skin Category 1  
Carcinogenicity Category 1B  
Aspiration Hazard Category 1  
Hazardous to the Aquatic Environment - Long-term Hazard Category 1  
H226, Flammable liquid and vapour.  
H304, May be fatal if swallowed and enters airways.  
H315, Causes skin irritation.  
H317, May cause an allergic skin reaction.  
H319, Causes serious eye irritation.  
H350, May cause cancer (exposure route).  
H410, Very toxic to aquatic life with long lasting effects.

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### Classification under Directive 1999/45/EC

**Hazard symbols:** N, Dangerous for the environment.  
T, Toxic.

**Risk phrases:** R10, Flammable.  
R38, Irritating to the skin.  
R43, May cause sensitisation by skin contact.  
R45, May cause cancer.  
R51/53, Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65, Harmful : May cause lung damage if swallowed.

### 2.2 Label elements

**Signal word:** Danger

**Hazard statements:** H226, Flammable liquid and vapour.  
H304, May be fatal if swallowed and enters airways.  
H315, Causes skin irritation.  
H317, May cause an allergic skin reaction.  
H319, Causes serious eye irritation.  
H350, May cause cancer (exposure route).  
H410, Very toxic to aquatic life with long lasting effects.

**Supplemental Information:** EUH208, Contains Bisabolene, Cinnamaldehyde, Citral, Citronellal, Eucalyptol, Eugenol, Menthone, Terpinolene, d-.alpha.-Pinene, delta-3-Carene, dl-Citronellol, l-.beta.-Bisabolene, MADAR Frankincense Olibanum. May produce an allergic reaction.

**Precautionary statements:** 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.  
P261, Avoid breathing vapour or dust.  
P264, Wash hands and other contacted skin 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/eye protection/face protection.  
P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P303/361/353, IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P308/313, IF exposed or concerned: Get medical advice/attention.

P331, Do not induce vomiting.

P333/313, If skin irritation or rash occurs: Get medical advice/attention.

P337/313, If eye irritation persists: Get medical advice/attention.

P362, Take off contaminated clothing and wash 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 local regulations.

**Pictograms:**



**Other hazards:** None

### Section 3. Composition / information on ingredients

#### 3.2 Mixtures

**Contains:**

Name	CAS	EC	REACH Registration No.	%	Classification for (DSD) 67/548/EEC	Classification for (CLP) 1272/2008
MADAR Orange Sweet				20-<50%	- ; R10	FL 3-SCI 2-SS 1B-AH 1-EH C2;H226-H304-H315-H317-H411,-
Eugenol	97-53-0	202-589-1		10-<20%	Xi ; R36-R43	EDI 2-SS 1B;H317-H319,-
MADAR Frankincense Olibanum				10-<20%	- ; R10	FL 3-SCI 2-SS 1B-AH 1-EH C1;H226-H304-H315-H317-H410,-
dL-Limonene (racemic)	138-86-3	205-341-0		5-<10%	Xn-N ; R10-R38-R43-R65-R50/53	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304-H315-H317-H410,-
d-.alpha.-Pinene	7785-70-8	232-087-8		5-<10%	Xn-N ; R10-R38-R43-R65-R50/53	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304-H315-H317-H410,-
beta-Caryophyllene	87-44-5	201-746-1		1-<5%	Xn ; R65	AH 1;H304,-
dL-Citronellol	106-22-9	203-375-0		1-<5%	Xi-N ; R38-R43-R51/53	SCI 2-EDI 2-SS 1B;H315-H317-H319,-
delta-3-Carene	13466-78-9	236-719-3		1-<5%	Xn-Xi ; R10-R38-R43-R65	FL 3-SCI 2-SS 1B-AH 1; H226-H304-H315-H317,-
Geraniol	106-24-1	203-377-1		1-<5%	Xi ; R38-R41-R43	SCI 2-EDI 1-SS 1;H315-H317-H318,-
p-Mentha-1,4-diene	99-85-4	202-794-6		1-<5%	Xn ; R10-R65	FL 3-AH 1;H226-H304,-
Linalool	78-70-6	201-134-4		1-<5%	Xi ; R38	SCI 2-EDI 2;H315-H319,-

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Menthone	10458-14-7	233-944-9		0.1-<1%	Xi ; R38-R43	SCI 2-SS 1B;H315-H317,-
Citral	5392-40-5	226-394-6		0.1-<1%	Xi ; R38-R43	SCI 2-EDI 2-SS 1B;H315-H317-H319,-
Benzyl benzoate	120-51-4	204-402-9		0.1-<1%	Xn-N ; R22-R51/53	ATO 4-EH A1-EH C2; H302-H400-H411,-
Safrole	94-59-7	202-345-4		0.1-<1%	T ; R22-R45-R68	ATO 4-MUT 2-CAR 1B; H302-H341-H350,-
Bisabolene	495-62-5	207-805-8		0.1-<1%	Xn ; R38-R43-R65	SCI 2-SS 1B-AH 1;H304-H315-H317,-
Cinnamaldehyde	104-55-2	203-213-9		0.1-<1%	Xn ; R21-R38-R43	ATD 4-SCI 2-EDI 2-SS 1A; H312-H315-H317-H319,-
p-Mentha-1,3-diene	99-86-5	202-795-1		0.1-<1%	Xn-N ; R10-R22-R65-R51/53	FL 3-ATO 4-AH 1-EH C2; H226-H302-H304-H411,-
Myrcene	123-35-3	204-622-5		0.1-<1%	Xn ; R10-R38-R65	FL 3-SCI 2-EDI 2-AH 1; H226-H304-H315-H319,-
Terpinolene	586-62-9	209-578-0		0.1-<1%	Xn-N ; R43-R65-R50/53	SS 1B-AH 1-EH A1-EH C1; H304-H317-H410,-
beta-Phellandrene	555-10-2	209-081-9		0.1-<1%	Xn ; R10-R65	FL 3-AH 1;H226-H304,-
p-Cymene	99-87-6	202-796-7		0.1-<1%	Xn-N ; R10-R65-R51/53	FL 3-AH 1-EH C2;H226-H304-H411,-
3,7-Dimethyl-1,3,6-octatriene	13877-91-3	237-641-2		0.1-<1%	Xn ; R10-R65	FL 3-AH 1;H226-H304,-
Citronellal	106-23-0	203-376-6		0.1-<1%	Xi-N ; R38-R43-R51/53	SCI 2-EDI 2-SS 1;H315-H317-H319,-
Eucalyptol	470-82-6	207-431-5		0.1-<1%	Xi ; R10-R43	FL 3-SS 1B;H226-H317,-
l.beta.-Bisabolene	495-61-4			0.1-<1%	Xn ; R38-R43-R65	SCI 2-SS 1B-AH 1;H304-H315-H317,-
Longifolene	475-20-7	207-491-2		<0.1%	Xn-N ; R43-R65-R50/53	SS 1B-AH 1-EH A1-EH C1; H304-H317-H410,-

**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

### Section 4. First-aid measures

#### 4.1 Description of first aid measures

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

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

May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause cancer (exposure route).

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

None expected, see Section 4.1 for further information.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

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

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

### 5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

## Section 6. Accidental release measures

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

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

### 6.2 Environmental precautions:

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

### 6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

### 6.4 Reference to other sections:

Also refer to sections 8 and 13.

## Section 7. Handling and storage

### 7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

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

Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### 7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

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### Section 8. Exposure controls/personal protection

#### 8.1 Control parameters

**Workplace exposure limits:** Not Applicable

#### 8.2 Exposure Controls

##### Eye / Skin Protection

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 vapour, 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 minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

### Section 9. Physical and chemical properties

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

**Appearance:** Not determined

**Odour:** Not determined

**pH:** Not determined

**Initial boiling point / range:** Not determined

**Flash point:** > 35 °C

**Vapour pressure:** Not determined

**Relative density:** Not determined

**Solubility(ies):** Not determined

**9.2 Other information:** None available

### Section 10. Stability and reactivity

#### 10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

#### 10.2 Chemical stability:

Good stability under normal storage conditions.

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### 10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

### 10.4 Conditions to avoid:

Avoid extreme heat.

### 10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

### 10.6 Hazardous decomposition products:

Not expected.

## 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 methods outlined in Regulation (EC) No 1272/2008 (CLP).

May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause cancer (exposure route).

<b>Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity:</b>	>5000
<b>Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity:</b>	>5000
<b>Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity:</b>	Not Available
<b>Inhalation Route:</b>	Not Available

### Information about hazardous ingredients in the mixture

Not Applicable

Refer to Sections 2 and 3 for additional information.

## Section 12. Ecological information

### 12.1 Toxicity:

Very toxic to aquatic life with long lasting effects.

**12.2 Persistence and degradability:** Not available

**12.3 Bioaccumulative potential:** Not available

**12.4 Mobility in soil:** Not available

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**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 available

### Section 13. Disposal considerations

**13.1 Waste treatment methods:**

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Section 14. Transport information

- 14.1 UN number:** UN1169
- 14.2 UN Proper Shipping Name:** EXTRACTS, AROMATIC, LIQUID
- 14.3 Transport hazard class(es):** 3
- 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 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**

None additional

**15.2 Chemical Safety Assessment**

A Chemical Safety Assessment has not been carried out for this product.

### Section 16. Other information

- Concentration % Limits:** EH C1=97.24% EH C2=9.02% EH C3=0.90220137% EH C4=0.31896258%  
SCI 2=19.15% EDI 2=31.10% SS 1=5.00% CAR 1B=20.00% AH 1=43.18%
- Total Fractional Values:** EH C1=1.03 EH C2=11.08 EH C3=110.84 EH C4=313.52 SCI 2=5.22 EDI  
2=3.22 SS 1=20.00 CAR 1B=5.00 AH 1=2.32

**Key to revisions:**

Not applicable

**Key to abbreviations:**

Abbreviation	Meaning



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AH 1	Aspiration Hazard Category 1
ATD 4	Acute Toxicity - Dermal Category 4
ATO 4	Acute Toxicity - Oral Category 4
CAR 1B	Carcinogenicity Category 1B
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
FL 3	Flammable Liquid, Hazard Category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects (exposure route).
H350	May cause cancer (exposure route).
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.
MUT 2	Germ Cell Mutagenicity Category 2
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.
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.
P281	Use personal protective equipment as required.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

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P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
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 persists: 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 local regulations.
SCI 2	Skin Corrosion / Irritation Category 2
SS 1	Sensitization - Skin Category 1
SS 1A	Sensitization - Skin Category 1A
SS 1B	Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.