

**01. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY UNDERTAKING****1.1 Product Identifier**

1.1 Product Identifier	Melissa Oil Pure.				
Biological Definition	Melissa Officinalis Leaf Oil is a volatile oil obtained from the leaves and tops of the Balmmintoil, <i>Melissa officinalis</i> L., Labiatae.				
INCI Name	Melissa Officinalis Leaf oil				
Synonyms Trade Names	-				
CAS Number	84082-61-1 8014-71-9	EC Number	282-007-0	EINECS No.	282-007-0

1.2 Relative identified uses of the substance or mixture and uses advised against

No additional data available.

1.3 Details of the supplier of the safety data sheet

Calmer Solutions Limited - Hadresham, Woolborough Lane, Outwood, Surrey, England RH1 5QR - Reg No 4992013

1.4 Emergency Telephone Number

In case of a medical emergency following exposure to a chemical, call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 (UK Only)

02. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

The Full Text for all Hazard Statements are Displayed in Section 16.

Classification (EC 1272 / 2008)

Skin irritation, Category 2 (Skin Irrit. 2, H315). Serious eye damage, Category 1 (Eye Dam. 1, H318). Skin sensitisation, Category 1 (Skin Sens. 1, H317). Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411). This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

GHS09

GHS07

GHS05

None

None



Signal Word

Danger

Contains

Citronellal, Geraniol, Citronellol, Citral, Farnesol, Alpha Pinene, (R)-P-Mentha-1,8-Diene,

Hazard Statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Supplementary Precautionary Statements

P302 IF ON SKIN:

P352 Wash with plenty of soap and water.

P305 IF IN EYES:

P351 Rinse cautiously with water for several minutes.

P338 Remove contact lenses, if present and easy to do. Continue rinsing.

P333 If skin irritation or rash occurs:

P313 Get medical advice/attention.

P391 Collect spillage.

2.3 Other Hazards

PBT or PvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	The mixture does not contain substances classified as 'Substances of Very High
Adverse effects on human health	No additional data available. under article 57 of REACH: http://ecna.europa.eu/17/candidate-list-table . The mixture satisfies neithe

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

25 - 50 % Citronellal	CAS No: 106-23-0	EC No: 203-376-6
Classification (EC 1272/2008): Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Aquatic Chronic 2 - H411		
10 - 25 % Geranoil	CAS No: 106-24-1	EC No: 203-377-1
Classification (EC 1272/2008): SCI 2-EDI, 1-SS 1,;H315 - H3170H319		
10 - 25 % Citronellol	CAS No: 106-22-9	EC No: 203-375-0
Classification (EC 1272/2008): Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Eye Irrit. 2 - H319		
2.5 - 10 % Citral	CAS No: 5392-40-5	EC No: 226-394-6
Classification (EC 1272/2008): Skin Irrit. 2 - H315, Skin Sens. 1 - H317		

2.5 - 10 % Citronellyl Acetate

CAS No: 150-84-5

EC No: 205-775-0

Classification (EC 1272/2008): Skin Irrit. 2 - H315, Aquatic Chronic 2 - H411

0 - 2.5 % Farnesol

CAS No: 4602-84-0

EC No: 225-004-1

Classification (EC 1272/2008): Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317

0 - 2.5 % Geranyl Acetate

CAS No: 105-87-3

EC No: 203-341-5

Classification (EC 1272/2008): Aquatic Chronic 2 - H411

0 - 2.5 % Isopulegol

CAS No: 89-79-2

EC No: 201-940-6

Classification (EC 1272/2008): Warning, Acute Tox. 4 - H302

0 - 2.5 % Linalool

CAS No: 78-70-6

EC No: 201-134-4

Classification (EC 1272/2008): Acute Tox. 5 - H303, Skin Irrit. 2 - H315, Aquatic Acute 3 - H402

0 - 2.5 % Menthone

CAS No: 10458-14-7

EC No: 233-944-9

Classification (EC 1272/2008): Skin Irrit. 2 - H315, Skin Sens. 1 - H317

0 - 2.5 % Alpha Pinene

CAS No: 80-56-8

EC No: 201-291-9

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Sens. 1 - H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410

0 - 2.5 % (R)-P-Mentha-1,8-Diene

CAS No: 5989-27-5

EC No: 227-813-5

Classification (EC 1272/2008): M Factor (Acute)=1 factor (Chronic)=1, Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410

04. FIRST AID MEASURES

4.1 Description of first aid measures

41 Inhalation:	Remove victim immediately from source of exposure. Get medical attention if any discomfort continues.
41 Ingestion:	Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label.
41 Eye:	Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.
41 Skin:	Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the

event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

4.2 Most important symptoms and effects, both acute and delayed

No additional data available

4.3 Indication of any immediate medical attention and special treatment needed

No additional data available

05. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Carbon dioxide, Chemical Powder or Foam. Do not use a direct stream of water.

5.2 Special hazards arising from the product

In case of fire Carbon Monoxide and other unidentified organic compounds may be released.

5.3 Advice for firefighters

In case of insufficient ventilation use suitable respiratory equipment. Wear chemical protective clothing.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8. For non first aid worker Avoid any contact with the skin and eyes. For first aid worker First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2 Environmental Precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways.

6.3 Methods and material for containment and clearing up

Clean preferably with a detergent, do not use solvents.

6.4 Reference to other sections

No additional data available.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Requirements relating to storage premises apply to all facilities where the mixture is handled. Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture. Always wash hands after handling. Remove and wash contaminated clothing before re-using. Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly. Fire prevention: Prevent access by unauthorised personnel. Recommended equipment and procedures: For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations. Avoid eye contact with this mixture at all times. Prohibited equipment and procedures: No smoking, eating or drinking in areas where the mixture is used.

7.2 Conditions for safe storage, including and incompatibilities

Packaging Always keep in packaging made of an identical material to the original.

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Occupational exposure limits :- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :CAS TWA: STEL: Ceiling: Definition: Criteria:80-56-8
 20ppm - - - -

8.2 Exposure controls

Protective Equipment

Goggles



Gloves



Overalls



None

None

Process Conditions:

Provide eyewash station.

Engineering Measures:

Provide adequate ventilation.

Respiratory Equipment:

For high concentrations use respiratory equipment.

Hand Protection:

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required. Recommended properties : - Impervious gloves in accordance with standard EN374

Eye Protection:

Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles with protective side's in accordance with standard EN166. In the event of high danger, protect the face with a face shield. Prescription glasses are not considered as protection. Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours. Provide eyewash stations in facilities where the product is handled constantly.

Other Protection:

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area.

Hygiene Measures:

Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

Personal Protection:

Use personal protection according to Directive 89/686/EEC.

Skin Protection

Avoid skin contact. Wear suitable protective clothing. Suitable type of protective clothing: In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

Environmental
Exposure Controls:

Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Clear liquid
Colour:	Pale yellow to brown/yellow
Flash Point:	73°C
Odour:	Characteristic – rose and lemon notes
Relative Density:	0.879 - 0.893 @ 20°C
Refractive:	1.457 - 1.477 @ 20°C
Melting Point:	No additional data available.
Boiling:	No additional data available.
Vapour:	No additional data available.
Solubility:	Insoluble in water.
Auto Ignition:	No additional data available.

9.2 Other Information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No additional data available.

10.2 Chemical Stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3 Possible hazardous reactions

No additional data available.

10.4 Conditions to avoid

No additional data available.

10.5 Incompatible materials

No additional data available.

10.6 Hazardous Decomposition Products

The thermal decomposition may release/form:- carbon monoxide (CO)- carbon dioxide (CO₂)

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity:	ALPHA-PINENE X (CAS: 80-56-8)	Oral route : LD50 = 3700 mg/kg
	MENTHONE (CAS: 10458-14-7)	Oral route : LD50 = 2500 mg/kg
	LINALOOL (CAS: 78-70-6)	Oral route : LD50 = 3000
	mg/kg ISOPULEGOL (CAS: 89-79-2)	Oral route : LD50 = 960
	mg/kg CITRONELLOL (CAS: 106-22-9)	Oral route : LD50 = 2650
	mg/kg Dermal route : LD50 = 2650 mg/kg GERANIOL (CAS: 106-24-	

	1) Oral route : LD50 = 4200 mg/kg CITRONELLAL (CAS: 106-23-0) Oral route : LD50 = 2500 mg/kg
Respiratory or skin sensitisation:	May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure upto four hours.
Skin corrosion/irritation:	May cause an allergic reaction by skin contact
Serious Eye damage/irritation:	May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.Serious eye damage is typified by the destruction of cornea, persistentcorneal opacity and iritis.
Germ Cell Mutagenicity:	No additional data available.
Carcinogenicity:	CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.
Reproductive toxicity:	No additional data available.
STOT Single exposure:	No additional data available.
STOT Repeated exposure:	No additional data available.
Photo-toxicity:	No additional data available.
Aspiration hazard:	No additional data available.
Other Information:	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxic to aquatic life with long lasting effects.The product must not be allowed to run into drains or waterways.No aquatic toxicity data available for the mixture.

12.2 Persistence Degradability

No additional data available.

12.3 Bioaccumulation Potential

No additional data available.

12.4 Mobility in soil

No additional data available.

12.5 Results of PBT and vPvB Assessment

No additional data available.

12.6 Other adverse effects

No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.Do not pour into drains or waterways.Waste:Waste management is carried out without endangering human

health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste. Do not dispose of waste into the environment. Soiled packaging: Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

14. TRANSPORT INFORMATION

14.1 UN number

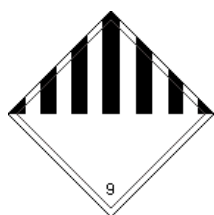
Road:	3082
Sea:	3082
Air:	3082

14.2 UN Proper shipping name

ENVIRONMENTAL

14.3 Transport hazard class(es)

ADR/RID/ADN Class	9IMDG Class	9ICAO Class/Division	9Transport Labels
Cl. 9_140	ENVIRONMENTAL	ENVIRONMENTAL	



14.4 Packing group

ADR/RID/ADN Packing group	III IMDG Packing group	IIICAO Packing group	III

14.5 Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant

Umwelt_140 ENVIRONMENTAL ENVIRONMENTAL



14.6 Special precautions for users

ADR/RID Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel 9	M6
III	9	90	5 L	274 335 601		E1 3	EIMDGClass	2°Label	Pack gr.	LQ EMS
Provis.		EQ9	-	III	5 L	F-A,S-F	274 335	E1IATAClass	2°Label	Pack
gr.	Passager	Passager	Cargo	Cargo	note	EQ 9	-	III		
964	450 L	964	450 L	A97, A158,	E19	-	III	Y964		30
kg G	-	-	A97 A158,	E1	For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG. For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.					

14.7 Transport in bulk according to Annex II of MARLPOL73/78 and the IBC Code

No additional data available

15. REGULATORY INFORMATION

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

Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108). EU Legislation 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard or precaution	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. 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.
Other Information::	None
Revision Date:	4/1/2022
Reason:	New SDS
Revision Number:	2

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