



## 01. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY UNDERTAKING

### 1.1 Product Identifier

1.1 Product Identifier	Nutmeg Oil.				
Biological Definition	Myristica Fragrans Fruit Oil (nutmeg) is an essential oil steam-distilled from the dried kernels of the ripe seeds of the Nutmeg, <i>Myristica fragrans</i> , Myristicaceae.				
INCI Name	Myristica Fragrans Fruit Oil				
Synonyms Trade Names	-				
CAS Number	84082-68-8	EC Number	282-013-3	EINECS No.	282-013-3

### 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)

Physical and Chemical Hazards: Flam. Liq. 3 – H226 Human Health: Asp Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 – H317, Eye Irrit. 2 – H319, Muta.2 – H341, Carc. 1B – H350 Environment: Aquatic Chronic 3 - H412

GHS02

GHS07

GHS08

GHS09

None



Signal Word

Danger

Contains

Sabinene, Pinenes, Alpha-Terpinine, Gamma-Terpinene, Limonene, Safrole, Terpinen-4-ol, Alpha-Phellandrene, Myrcene, P-Cymene,

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.

H341 Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H350 May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H411 Toxic to aquatic life with long lasting effects.

#### Precautionary Statements

P301 IF SWALLOWED:

P310 Immediately call a POISON CENTER or doctor/physician.

P331 Do NOT induce vomiting.

P262 Do not get in eyes, on skin, or on clothing.

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

P201 Obtain special instructions before use.

P281 Use personal protective equipment as required.

P273 Avoid release to the environment.

P305 IF IN EYES:

P351 Rinse cautiously with water for several minutes.

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

#### Supplementary Precautionary Statements

P391 Collect spillage.

P405 Store locked up.

## 2.3 Other Hazards

PBT or PvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	Combustible but will not self ignite
Adverse effects on human health	See hazard statement section above. Contra-indicated uses: Psychotropic effects reported. Nutmeg oil may be a MAO inhibitor from myristicin content, and severe reactions to pethidine have been noted. Reynolds JEF (1993) Martindale: The extraPharmacopeia

## 03. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

**20 - 30 % Sabinene**

CAS No: 3387-41-5 EC No: 222-212-4

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Acute Tox. 2 - H330

**10 - 20 % Alpha-Pinene**

CAS No: 80-56-8 EC No: 201-291-9

Classification (EC 1272/2008): Aquatic Acute 2 - H400, Chronic Aquatic 1 - H410, Skin Sens. 1 - H317, Skin Irrit 2 - H315, Asp. Tox. 1 - H304, Acute Tox. 5 - H503, Flam. Liq. 3 - H226

**5 - 15 % Beta-Pinene**

CAS No: 127-91-3 EC No: 20-872-5

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317

**5 - 10 % Terpinen-4-ol**

CAS No: 562-74-3

EC No: 209-235-5

Classification (EC 1272/2008): Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Eye Irrit 2 - H319

**4 - 8 % Gamma-Terpinene**

CAS No: 99-85-4

EC No: 202-794-6

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304

**8 - 12 % Limonene**

CAS No: 5989-27-5

EC No: 227-813-5

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

**1 - 5 % Alpha-Terpinene**

CAS No: 99-86-5

EC No: 202-795-1

Classification (EC 1272/2008): Asp. Toxic 1 - H304, Acute Tox. 4 - H302, Aquatic Chronic 2 - H411, Flam. Liq. 3 - H226

**1 - 5 % Alpha-Phellandrene**

CAS No: 99-83-2

EC No: 202-792-5

Classification (EC 1272/2008): Flam. Liq. 3 - H226

**1 - 5 % Myrcene**

CAS No: 123-35-3

EC No: 204-622-5

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Aquatic Chronic 3 - H412

**1 - 5 % Terpinolene**

CAS No: 586-62-9

EC No: 209-578-0

Classification (EC 1272/2008): FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H304-H317 - H410

**1 - 5 % Myristicin**

CAS No: 607-91-0

EC No: 210-146-9

Classification (EC 1272/2008): Acute Tox. 4 - H302, Aquatic Chronic 2 - H411

**1 - 5 % P-Cymene**

CAS No: 99-87-6

EC No: 202-796-7

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Acute Tox. 5 - H303, Aquatic Chronic 2 - H411, Skin Irrit 3 - H316

**1 - 5 % Delta-3-Carene**

CAS No: 13466-78-9

EC No: 236-719-3

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Aquatic Chronic 2 - H411, Skin Sens. 1 - H317

**1 - 5 % Alpha-Thujene**

CAS No: 353313

EC No: 220-686-7

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Acute Tox. 4 - H302, Skin Sens. 1B - H317, Aquatic Chronic 2 - H411

**1 - 1 % Safrole**

CAS No: 94-59-7

EC No: 202-345-4

Classification (EC 1272/2008): Acute Tox. 4 - H302, Muta. 2 - H341, Carc. 1B - H350

## 04. FIRST AID MEASURES

### 4.1 Description of first aid measures

41 Inhalation:	Remove from exposure area to fresh air. Contact a doctor if necessary.
41 Ingestion:	Wash mouth out with water and obtain medical advice immediately.
41 Eye:	Flush with plenty of water and seek medical advice if necessary.
41 Skin:	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

### 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

Wear protective clothing as described in Section 8 of this safety data sheet. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin and inhalation of its vapours or smoke. Maintain adequate ventilation in the working area after spilling.

### 6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground.

### 6.3 Methods and material for containment and clearing up

Cover with an inert, inorganic, non-combustible absorbent material (e.g dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors. Avoid open flames or sources of ignition. Ventilate area a wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

### 6.4 Reference to other sections

## 07. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

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

Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

### 7.3 Specific end use(s)

No additional data available.

## 08. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

Linalool (CAS: 78-70-6) Ingredient Comments : No exposure limits noted for ingredient(s).

### 8.2 Exposure controls

Protective Equipment

Goggles

Gloves

Respirator

None

None



Process Conditions:

Provide eyewash station.

Engineering Measures:

Provide adequate ventilation.

Respiratory Equipment:

Avoid inhalation of vapour.

Hand Protection:

Avoid skin contact. Wear protective gloves.

Eye Protection:

Wear protective goggles to prevent eye contact.

Other Protection:

Slip proof shoes may be worn in event of spillages.

Hygiene Measures:

Good personal hygiene practices are always advisable, especially when working with chemicals / oils.

Personal Protection:

Avoid inhalation of vapour and contact with skin and eyes.

Skin Protection

Wear overalls or laboratory coat to protect from skin contact.

Environmental

Exposure Controls:

Avoid discharging into drainage water.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance:

Mobile Liquid.

Colour:

Pale yellow.

Flash Point:

36

Odour:

Characteristic.

Relative Density:	0.880 to 0.910 @ 20°C
Refractive:	1.474 to 1.488 @ 20°C
Melting Point:	No additional data available.
Boiling:	165 @ 760 mm Hg
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 dangerous reactions known.

### 10.2 Chemical Stability

Stable under the recommended handling and storage conditions.

### 10.3 Possible hazardous reactions

No additional data available.

### 10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

### 10.5 Incompatible materials

Materials To Avoid : None known.

### 10.6 Hazardous Decomposition Products

Carbon monoxide and unidentified organic compounds may be formed during combustion.

## 11. TOXOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute Toxicity:	No additional data available.
Respiratory or skin sensitisation:	No additional data available.
Skin corrosion/irritation:	Causes skin irritation. May cause an allergic skin reaction.
Serious Eye damage/irritation:	Causes serious eye irritation
Germ Cell Mutagenicity:	Suspected of causing genetic defects.
Carcinogenicity:	May cause cancer.
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

No additional data available.

### 12.2 Persistence Degradability

No additional data available.

### 12.3 Bioaccumulation Potential

No additional data available.

### 12.4 Mobility in soil

Mobility: The product is insoluble in water.

### 12.5 Results of PBT and vPvB Assessment

No additional data available.

### 12.6 Other adverse effects

Do not allow product to enter streams, sewers or other waterways.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

General information Do not re-use empty containers. Empty residue into a suitable disposal site. Dispose of in compliance with all local and national regulations.

## 14. TRANSPORT INFORMATION

### 14.1 UN number

Road:	1169
Sea:	1169
Air:	1169

### 14.2 UN Proper shipping name

Extracts, Aromatic

### 14.3 Transport hazard class(es)

ADR/RID/ADN Class: 3 Flammable Liquid. IMDG Class: 3 Flammable Liquid. ICAO Class/Division: 3

Flammable Liquid. Transport Labels

Cl. 3\_140\_s      Extracts, Aromatic      Extracts, Aromatic



### 14.4 Packing group

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

### 14.5 Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant



## 14.6 Special precautions for users

EMS F-A-S-F Emergency Action Code 3Z Hazard No. (ADR) 90 Environmentally hazardous substance; miscellaneous dangerous substances. Tunnel Restriction Code (E)

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

Tariff Number 33012941

## 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. H319 Causes serious eye irritation. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H341 Suspected of causing genetic defects. H350 May cause cancer. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. H410 Very toxic to aquatic life with long lasting effects.
Other Information::	None.
Revision Date:	4/1/2022
Reason:	New SDS
Revision Number:	2

Disclaimer: 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 themselves as to the suitability of such information for his own particular use.