



Safety Data Sheet

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		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-No	84082-68-8	EC No.	282-013-3	EINECS No.	282-013-3
1.2 Relative identified uses of the substance or mixture and uses advised against					
Suitable for use in cosmetics, fragrances, flavourings and professional applications only.					
1.3 Details of the supplier of the safety data sheet					
Mother Natures Goodies Ltd, 106 Highstreet, Blaina, NP13 3AF					
Email – customerservices3@mothernaturesgoodies.co.uk					
1.4 Emergency Tel. No.		+ 44 (0) 1495404000			

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 hazards:	Flam. Liq. 3 – H226		
Health hazards:	Acute Tox. 4 – H302, Asp Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1B – H317, Eye Irrit. 2 – H319, Muta.2 – H341, Carc. 1B – H350, Repr. 2 – H361		
Environmental hazards:	Aquatic Acute 1 – H400, Aquatic Chronic 1 - H410		
2.2 Label Elements			
Label in accordance with (EC) No 1272/2008			
GHS02	GHS08	GHS07	GHS09
Signal Word	Danger.		
Contains	Sabinene, alpha-Pinene, beta-pinene, d-Limonene, Safrole		
Hazard Statements			
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.			

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H319 Causes serious eye irritation.
 H341 Suspected of causing genetic defects.
 H350 May cause cancer.
 H361 Suspected of damaging fertility or the unborn child.
 H410 Very toxic to aquatic life with long-lasting effects.

Precautionary Statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P240 Ground and bond container and receiving equipment.
 P242 Use non-sparking tools.
 P243 Take action to prevent static discharges.
 P261 Avoid breathing vapours/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P331 Do NOT induce vomiting.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P370+P378 In case of fire: Use carbon dioxide, dry chemical, foam to extinguish.
 P391 Collect spillage.
 P501 Dispose of contents in accordance with local, state or national legislation.

Supplementary Precautionary Statements

P264 Wash hands and exposed skin thoroughly after handling.

2.3 Other Hazards

PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

25.0 – 35.0% Sabinene CAS No: 3387-41-5 EC No: 222-212-4

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

10.0 – 20.0% alpha-Pinene CAS No: 80-56-8 EC No: 201-291-9

Classification (EC 1272/2008) Flam. Liq. 3 – H226, Acute Tox. 4 - H302, Asp. Tox. 1 – H304, Skin Irrit. 2 – H315, Skin Sens. 1 – H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 -H410

5.0 – 15.0% beta-Pinene CAS No: 127-91-3 EC No: 204-872-5

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

≤ 10.1% d-Limonene CAS No: 5989-27-5 EC No: 227-813-5

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

<p>5.0 – 10.0% Terpinen-4-ol CAS No: 562-74-3 EC No: 209-235-5</p> <p>Classification (EC 1272/2008) Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Skin Sens. 1A - H317, Eye Irrit. 2 - H319, STOT SE 3 - H336</p>
<p>4.0 – 8.0% gamma-Terpinene CAS No: 99-85-4 EC No: 202-794-6</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 - H226, Repr. 2 - H361, Aquatic Chronic 2 - H411</p>
<p>1.0 – 5.0% alpha-Terpinene CAS No: 99-86-5 EC No: 202-795-1</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 - H226, Acute Tox. 4 - H302, Skin Sens. 1B - H317, Eye Irrit. 2 - H319, Aquatic Chronic 2 – H411</p>
<p>1.0 – 5.0% Myrcene CAS-No: 123-35-3 EC No: 204-622-5</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 – H226, Asp. Tox. 1- H304, Skin Irrit. 2 – H315, Eye Irrit. 2 - H319, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410</p>
<p>1.0 – 5.0% alpha-Thujene CAS No: 2867-05-2 EC No: 220-686-7</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 – H226, Skin Sens. 1B – H317</p>
<p>1.0– 5.0% alpha-Terpinolene CAS No: 586-62-9 EC No: 209-578-0</p> <p>Classification (EC 1272/2008) Asp. Tox. 1 - H304, Skin Sens. 1 – H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 – H410</p>
<p>≤ 1.92% Safrole CAS No: 94-59-7 EC No: 202-345-4</p> <p>Classification (EC 1272/2008) Acute Tox. 4 - H302, Muta. 2 - H341, Carc. 1B – H350</p>
<p>1.0 – 5.0% delta-3-Carene CAS No: 13466-78-9 EC No: 236-719-3</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1A - H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410</p>
<p>1.0 – 5.0% alpha-Phellandrene CAS No: 99-83-2 EC No: 202-792-5</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 – H304</p>
<p>1.0 – 2.0% p-Cymene CAS No: 99-87-6 EC No: 202-796-7</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, STOT SE 3 - H335</p>
<p>≤ 0.91% Methyl Eugenol CAS No: 93-15-2 EC No: 202-223-0</p> <p>Classification (EC 1272/2008) Acute Tox. 4 - H302, Muta. 2 - H341, Carc. 1B – H350</p>

≤ 0.41 Linalool CAS No: 78-70-6 EC No: 201-134-4

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

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove from exposure area to fresh air. Get medical advice/attention.
Ingestion	Do not induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Get medical advice/attention.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if any discomfort continues.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical advice/attention. Continue to rinse.
4.2 Most important symptoms and effects, both acute and delayed	
No additional information.	
4.3 Indication of any immediate medical attention and special treatment needed	
Treat symptomatically.	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Extinguish with the following media: carbon dioxide, dry chemical, foam. Unsuitable extinguishing media: do not use water jet as an extinguisher, as this may scatter and spread fire.	
5.2 Special hazards arising from the product	
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂), Carbon monoxide (CO), other toxic gases. Containers close to fire should be removed or cooled with water.	
5.3 Advice for firefighters	
Avoid inhalation of generated fumes or vapours. Wear self-contained breathing apparatus and appropriate 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 cleaning up.	
Absorb with liquid binding material e.g. sand, diatomaceous earth. Collect in closed and suitable containers for disposal. Prevent any material from entering drains or waterways. Wash spill site after removal with a detergent.	
6.4 Reference to other sections	
See sections 4, 7, 8 & 13.	

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin, eyes and clothing. Avoid breathing vapours.
7.2 Conditions for safe storage, including any incompatibilities
Store in tightly-closed, original container in a dry, cool and well-ventilated area, away from potential sources of ignition and protected from light.
7.3 Specific end use(s)
No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
No additional data available.	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation or respiratory protection.
Respiratory Equipment	Generally unnecessary in a well ventilated area. If ventilation is insufficient, respiratory protection must be worn.
Hand Protection	Wear suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
Eye Protection	Avoid contact with eyes. Wear safety goggles in accordance with standard EN166.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Do not eat, drink or smoke during use. Remove and wash contaminated clothing before re-using.
Personal Protection	Use of chemical resistant clothing is recommended when handling.
Skin Protection	Wear appropriate protective clothing 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 exposed must be washed thoroughly.
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	Mobile Liquid, pale yellow.
Colour	Pale yellow.
Odour	Characteristic of nutmeg.
Relative Density	Approx. 0.882 @ 20°C
Flash Point (°C)	36.0
Refractive Index	Approx. 1.481 @ 20°C
Melting Point (°C)	No additional data available.

Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
Presents no significant reactivity hazards. Stable under normal temperature conditions and recommended use.	
10.2 Chemical stability	
Stable under the recommended handling and storage conditions in section 7.	
10.3 Possible hazardous reactions	
Not expected under normal conditions of use.	
10.4 Conditions to Avoid	
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Prevent storing the product in open containers for long periods so as to prevent the formation of peroxides and product deterioration.	
10.5 Incompatible materials	
Avoid contact with strong acids, alkalis or oxidising agents.	
10.6 Hazardous Decomposition Products	
Not expected under normal temperature conditions and recommended use. Thermal decomposition may release/form oxides of carbon (carbon monoxide, carbon dioxide) and other toxic gases.	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	Harmful if swallowed. (By calculation).
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	Skin - May cause an allergic skin reaction.
Germ Cell Mutagenicity	Suspected of causing genetic defects.
Carcinogenicity	May cause cancer.
Reproductive toxicity	Suspected of damaging fertility or the unborn child.
STOT-single exposure	Not classified.
STOT-repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity	
Very toxic to aquatic life with long-lasting effects.	

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

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Do not allow entry 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. Dispose of via a certified disposal contractor.

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	1169
UN No. SEA	1169
UN No. AIR	1169
14.2 UN proper shipping name	
EXTRACTS, AROMATIC, LIQUID	
14.3 Transport hazard class(es)	
ADR/RID ADR/RID– Class 3 ADR Classification Code – F1 Special provisions – 601 604E Limited quantities – 5L Expected quantities – E1 Emergency Action Code – 3Y Tunnel Restriction Code – D/E	
IMDG IMDG – Class 3 Special Provisions – 601 640E Limited quantities – 5L Expected quantities – E1 IMDG EMS – F-E, S-D	

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Stowage and Handling – Category A

ICAO/IATA

ICAO/IATA– Class 3

IATA proper shipping name - EXTRACTS, AROMATIC, LIQUID

Expected quantities – E1

Transport Labels

**14.4 Packing group**

ADR/RID 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 user**

See sections 6 – 8.

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

Not applicable.

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**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 and/or Precautionary Statements in Full	H226 Flammable liquid and vapour. H302 Harmful if swallowed.
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	<p>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. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H341 Suspected of causing genetic defects. H350 May cause cancer. H361 Suspected of damaging fertility or the unborn child. 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.</p>
Other Information	None.
Revision Date	23/05/2019
Reason for revision	02 updated SDS 01 New SDS
Rev No/Repl, SDS Generated	02, replaces 01

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