


1. Identification of the substances / mixture and of the company/undertaking.		
1.1 Product identifier:		
Substance name: Nutmeg Oil		
Biological Definition		
INCI Name	MYRISTICA FRAGRANS FRUIT OIL	
Synonyms & Trade Names	FEMA Number: 2793	
EC NO: 282-013-3	CAS NO: 8008-45-5	EINECS CAS Number: 84082-68-8
Index No:	Reach Registration No: 01-2119486669-15-XXXX	
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified uses: Flavour and Fragrances. For manufacturing use only.		
Uses advised against:		
1.3 Details of the supplier of the safety data sheet		
Company	Penny Price Aromatherapy Ltd	
	Unit D3 Radius Court	
	Maple Drive	
	Hinckley	
	Leicestershire LE10 3BE	
Email	info@penny-price.com	
1.4 Emergency Telephone Number	00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. <u>Or call NHS 111 or NHS 999</u>	

2. Hazards Identification			
2.1 Classification of the substance or mixture			
Classified according to Regulation (EC) 1272/2008 (CLP) as amended	Physical and Chemical Hazards	Flam.Liq. 3 - H226	
	Human Health	Asp. Hazard. 1 – H303	Acute Tox. Oral. 5 – H304
		Carc. 1B - H350	Germ Cell Mut. 2 – H341
	Environment	Skin Sens. 1 – H317	
Aquatic Acute. 2 – H401		Aquatic Chronic. 2 - H411	
2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:			
			
Signal Word. DANGER			
Hazard statements.			
H226	Flammable liquid and vapour	H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways	H317	May cause an allergic skin reaction.

H341	Suspected of causing genetic defects.	H350	May cause cancer.
H401	Toxic to aquatic life	H411	Toxic to aquatic with long lasting effects.

Precautionary statements.

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of water.
P370	In case of fire: Use appropriate media to extinguish.

Supplementary Precautionary Statements:

2.3 Other hazards – Results of PBT and vPvB According to Annex XIII

Adverse Physio-chemical Properties

Adverse Effects on Human Health

3. 1 Composition / information on ingredients:

Substances	Chemical Name	Nutmeg Oil 100%	
Identification Numbers	EINECS CAS Number	84082-68-8	
	CAS Number	8008-45-5	
	EC Number	282-013-3	
Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE

4. First Aid Measures

4.1 General	Immediately remove any clothing soiled by the product. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this MSDS to the doctor in attendance.
Inhalation	Remove person to fresh air and keep comfortable for breathing. For breathing difficulties, oxygen may be necessary. Obtain medical attention if required.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If irritation persists seek medical advice / attention.

Skin contact	Take off all contaminated clothing. Rinse skin with water/shower. If irritation persists seek medical attention.
Ingestion	Rinse mouth out with water. Do NOT induce vomiting. Immediately call POISON CENTER or GP. Do not give milk or fatty oils.
4.2 Most important symptoms and effects, both acute and delayed:	
Aspiration may cause pulmonary oedema and pneumonitis. May cause an allergic skin reaction. Dermatitis. Rash.	
4.3 Indication of any immediate medical attention and special treatment need	
Not available	
5. Firefighting Measures	
5.1 Extinguishing Media:	
Suitable extinguishing media:	Water spray, fog, CO ₂ , dry chemical or alcohol resistant foam.
Unsuitable extinguishing media:	Do not use a solid water stream as it may scatter and spread fire.
5.2 Special hazards arising from the substances or mixture:	
Hazardous combustion products:	Fire may produce irritation, corrosive and/or toxic gases.
5.3 Advice for firefighter	Fire-fighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural fire-fighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.
Fire-fighting Equipment/ Instructions	In case of fire and/or explosion do not breathe fumes. Use standard fire-fighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water courses. Dike for water control.
Specific Methods	Use water spray to cool unopened containers.
General Fire Hazards	Static charges generated by emptying package in or near flammable vapour may cause flash fire.

6 Accidental release measures	
6.1 Personal precautions, protective equipment, and emergency procedures	
6.1.1 For non-emergency personnel	
Protective equipment:	
Emergency procedures:	Keep unnecessary personnel away. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.
6.1.2 For Emergency responders	
6.2 Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid release to the environment. Retina and

	dispose of contaminated wash water. Contact local authorities in case of spillage to drain/aquatic environment.
6.3 Methods for cleaning up – 6.3.1 For containment:	Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. The product is immiscible with water and will spread on the surface water. Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Collect and dispose of as hazardous waste. Collect and dispose of spillage as indicated in Section 13 of the MSDS.
Large Spills	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Do not allow material to contaminate ground water system. Absorb in vermiculite, dry sand or earth and place into containers.
Small Spills	Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
6.3.2 For cleaning up:	
6.3.3. Other information:	
6.4 Reference to other sections	

7. Handling and storage	
7.1 Precautions for safe handling	
Protective measures: Prevent formation of aerosols. Handle in a well-ventilated area, away from sources of ignition. DO NOT SMOKE. Apply good manufacturing practice and industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.	
Measures to prevent fire:	Do not handle or store near an open flame, heat or other sources of ignition. All equipment used when handling the product must be grounded.
Measures to prevent aerosol and dust generation:	
Measures to protect the environment:	
Advice on general occupational hygiene:	Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Wash thoroughly after handling. Take precautionary measures against static discharges.

	Avoid breathing vapour
7.2 Conditions for safe storage, including any incompatibilities	
Technical measures and storage conditions:	
Packaging Materials:	
Requirements for storage and vessels:	Keep containers closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.
Storage Class: Further information on storage containers:	
7.3 Specific end use(s).	
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection:	
Occupational Exposure Limits	This substance has no PEL, TLV or other recommended exposure limit.
Biological Limit Values	No biological exposure limits noted for the ingredient(s).
8.1 Control parameters	
8.2 Exposure controls	
Appropriate Engineering Controls	Use explosion-proof ventilation equipment to stay below exposure limits.
Engineering Measures	Ensure good ventilation of working area.
8.2.2 Personal Protection equipment	
8.2.2.1 Eye / face protection	Avoid contact with eyes. Chemical safety goggles are recommended. Wash contaminated goggles before reuse.
8.2.2.2 Skin Protection	Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse. Use of an impervious apron is recommended.
Hand protection	
Other skin protection	
8.2.2.3 Respiratory protection	Chemical respirator with organic vapour cartridge and full facepiece
Ventilation	
8.2.2.4 Thermal hazards	Wear appropriate thermal protective clothing when necessary.
General Hygiene Considerations	When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove

	contaminants. Contaminated work clothing should not be allowed out of the workplace.
8.2.3 Environmental exposure controls	
9. Physical and chemical properties- C of A	
9.1 Information on basic physical and chemical properties	
Colour	Liquid
Appearance	Pale yellow or almost water-white
Odour	Light, fresh, warm-spicy and aromatics
Odour Threshold	Not applicable
Melting Point / freezing point	Not applicable
Boiling point /Initial boiling point & boiling range	Not applicable
Flammability (Solid, Gas)	Not applicable
Lower and upper flammability	Not applicable
Flash point (Closed Cup)	44.7°C
Evaporation Rate	Not applicable
Auto- ignition temperature	Not applicable
Decomposition temperature	Not applicable
pH	Not applicable
Kinematic Viscosity	
Solubility in Water	Insoluble
Solubility in Alcohol	1 vol. clear soluble in 3 vol. of 90% Ethanol
Partition coefficient (n-octanol/ water)	Not applicable
Vapour Pressure	
Density and /or relative density	
Vapour Density	Not applicable
Particle characteristics	
Explosive Limit	Not applicable
Oxidising Properties	
9.2 Other information	
Specific gravity @ 25°C	0.8840 to 0.9230
Optical rotation @ 20°C	+8.75 to +13.5
Refractive index @ 25°C	1.4750 to 1.4840
Typical analysis of major components	
10. Stability and reactivity	
10.1 Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2 Chemical Stability	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid:	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5 Incompatible Materials:	Strong oxidising agents.
10.6 Hazardous Decomposition Products	No hazardous decomposition products if stored and handled as indicated.

11. Toxicological information		
11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008		
Information on Likely Routes of Exposure	Inhalation	May be fatal if swallowed and enters airways.
	Skin Contact	May cause an allergic skin reaction.
	Eye Contact	No adverse effects due to eye contact are expected.
	Ingestion	May be fatal if swallowed and enters airways. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms Related to the Physical, Chemical and Toxicological Characteristics	Aspiration may cause pulmonary oedema and pneumonitis. May cause allergic skin reaction. Dermatitis. Rash.	
Information on Toxicological Effects		
Acute toxicity:	May be fatal if swallowed and enters airways. May cause an allergic skin reaction.	
Skin corrosion /irritation:	No data available.	
Seriously eye damage/irritation:	No data available.	
Respiratory or skin sensitisation:	Not a respiratory sensitiser. May cause an allergic skin reaction.	
Germ cell mutagenicity:	Suspected of causing genetic defects.	
Carcinogenicity:	May cause cancer.	
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.	
Summary of evaluation of the CMR properties:		
STOT- single exposure,	Not classified.	
STOT-repeated exposure:	Not classified.	
Aspiration hazard:	May be fatal if swallowed and enters airways.	

12. Ecological information	
12.1 Ecotoxicity	Toxic to aquatic life with long lasting effects.
12.2 Persistency & degradability	No data available on the degradability of this product
12.3 Bio accumulative potential	No data available.

12.4 Mobility in soil	No data available.
12.5 Results of PBT and vPvB Assessment	
12.6 Endocrine disrupting properties	
12.7 Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations	
13.1 Waste treatment methods	Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Hazardous Waste Code: Not established.
13.1.1. Product /Packaging disposal:	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal Instructions).
Contaminated Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
13.1.2 Waste treatment-relevant information:	
13.1.3 Sewage disposal-relevant information:	
13.1.4 Other disposal-relevant recommendations:	Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport information	
14.1 UN Number or ID number	1197
14.2 UN proper Shipping name	EXTRACTS, FLAVOURING, LIQUID
14.3 Transport hazard class(es) ADR, ICAO, IATA, IMDG	3
14.4 Packing group ADR, ICAO, IATA, IMDG	III
14.5 Environmental hazards ADR/ IMDG	Yes
Environmental hazards ICAO / IATA	No
14.6 Special precautions for user	
14.7 Maritime transport in bulk according to IMO instruments	

15 Regulatory information	
15.1 Safety, health, and environmental regulations / legislation specific for the substance or mixture	
EU Regulations	Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing

	Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006.
US Federal Regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
15.2 Chemical Safety Assessment	

16. Other information

(i) **Indication of Changes: Revised Safety Data Sheet Format:** From March 2019. – Section 2 and 3 have changed places, additional points added under each section in line with Regulation EC) No 1272/2008 Version 4.2 March 2021'.

(ii) **Abbreviations and acronyms:**

DNEL: Derived No-Effect Level.

PNEC: Predicted No- Effect Concentration.

ADR: European agreement concerning the international carriage of dangerous goods by road.

RID: Regulations concerning the International carriage of Dangerous goods by rail.

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the 'International Civil Aviation Organisation" (ICAO)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Maritime Dangerous Goods.

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

WGK: Water Hazard Class.

LC50: Lethal concentration, 50 percent

LD50: Lethal Dose, 50 percent

PBT: Persistent, Bio accumulative and Toxic

vPvB: Very Persistent and very Bio accumulative

Flam. Liq: Flammable Liquid

AT: Acute Toxicity – O = Oral / D = Dermal / I = Inhalation

Asp: Aspiration Hazard

Skin Corr/ Irrit: Skin Corrosion / Irritation

Skin Sens: Skin Sensation

Eye Dam/ Irrit: Eye damage / Irritation

Muta: Mutagenic

Carc: Carcinogenic

Resp: Respiration Sensitive

Repro: Reproductive Sensitive

EH A: Environmental Hazard Aquatic Acute

EH C: Environmental Hazard Aquatic Chronic

REACH: Registration, Evaluation, Authorisation and Restriction of Chemical Regulation (EC) No. 1907 / 2006

(iii) **Key Literature references and sources of date.**

(iv) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):	
Classification according to Regulation (EC) 1272/2008(CLP)	Classification procedure
(v) Relevant H-statements (number and full text):	
(vi) Training advice:	
(vii) Further information:	
Shelf life	Minimum 12 months when stored in the advised conditions.
QC requirements	
In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.	
Disclaimer:	
The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is date supplied without warranty, expressed, or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage, or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification or for any given application and buyers should seek to verify their requirements and product use.	