



MSDS-Nutmeg essential oil

Compilation date: 10/04/2018

Section 1: Identification of the substance/mixture and of the company/undertaking

Product name: Nutmeg essential oil

CAS number: 84082-68-8

EINECS number: 282-013-3

INCI name: MYRISTICA FRAGRANS FRUIT OIL

NUTMEG IS AN ESSENTIAL OIL STEAM-DISTILLED FROM THE DRIED KERNELS OF THE RIPE SEEDS OF THE NUTMEG, MYRISTICA FRAGRANS, MYRISTICACEAE.

1.2. Details of the supplier of the MSDS

Company name: Amour Natural

Unit 6 Adlam's Central Park, Wirral Park Road, Glastonbury BA6 9XE

Tel: 01458 898030

Email: info@amournatural.co.uk

1.3 Emergency telephone number

01458 898030

Section 2: Hazards identification

Classification (EU1272/2008) :

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

Label elements: LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.

GHS label



Signal Word: Danger

Contains: SABINENE, ALPHA-PINENE, BETA-PINENE, D-LIMONENE, SAFROLE

Hazards 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.

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.

No data for adverse physio-chemical properties or adverse effects on human health

This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

25.0–35.0% SABINENE CAS NO: 3387-41-5 EC NO: 222-212-4 CLASSIFICATION (EC1272/2008) 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 (EC1272/2008) FLAM.LIQ.3-H226, ACUTETOX.4-H302, ASP.TOX.1-H304, SKINIRRIT.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 (EC1272/2008) FLAM.LIQ.3-H226, ASP.TOX.1-H304, SKINIRRIT.2-H315, SKINSENS.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

5.0 – 10.0% 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, SKIN SENS. 1A - H317, EYE IRRIT. 2 - H319, STOT SE 3 - H336

4.0–8.0% GAMMA-TERPINENE CASNO:99-85-4 ECNO:202-794-6
CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, REPR. 2 - H361, AQUATIC CHRONIC 2 - H411

1.0–5.0% ALPHA-TERPINENE CASNO:99-86-5 ECNO:202-795-1
CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ACUTE TOX. 4 - H302, SKIN SENS. 1B - H317, EYE IRRIT. 2 - H319, AQUATIC CHRONIC 2 – H411

1.0 – 5.0% MYRCENE CAS-NO: 123-35-3 EC NO: 204-622-5
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

1.0 – 5.0% ALPHA-THUJENE CAS NO: 2867-05-2 EC NO: 220-686-7
CLASSIFICATION(EC1272/2008) FLAM.LIQ.3–H226,SKINSENS.1B–H317

1.0– 5.0% ALPHA-TERPINOLENE CAS NO: 586-62-9 EC NO: 209-578-0
CLASSIFICATION (EC 1272/2008) ASP. TOX. 1 - H304, SKIN SENS. 1 – H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 – H410

≤ 1.92% SAFROLE CAS NO: 94-59-7 EC NO: 202-345-4 CLASSIFICATION(EC1272/2008)
ACUTETOX.4-H302,MUTA.2-H341,CARC.1B–H350

1.0 – 5.0% DELTA-3-CARENE CAS NO: 13466-78-9 EC NO: 236-719-3
CLASSIFICATION(EC1272/2008) FLAM.LIQ.3-H226,ASP.TOX.1-H304,SKINIRRIT.2-H315, SKIN SENS. 1A - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410

1.0 – 5.0% ALPHA-PHELLANDRENE CAS NO: 99-83-2 EC NO: 202-792-5
CLASSIFICATION(EC1272/2008) FLAM.LIQ.3-H226, ASP.TOX.1–H304

1.0 – 2.0% P-CYMENE CAS NO: 99-87-6 EC NO: 202-796-7
CLASSIFICATION(EC1272/2008) FLAM.LIQ.3-H226,ASP.TOX.1-H304,SKINIRRIT.2- H315,EYEIRRIT.2-H319, STOTSE3-H335

≤ 0.91% METHYL EUGENOL CAS NO: 93-15-2 EC NO: 202-223-0
CLASSIFICATION(EC1272/2008) ACUTETOX.4-H302,MUTA.2-H341,CARC.1B–H350

≤ 0.41 LINALOOL CAS NO: 78-70-6 EC NO: 201-134-4
CLASSIFICATION(EC1272/2008) SKINIRRIT.2-H315,SKINSENS.1B-H317,EYEIRRIT.2-H319

Section 4: First aid measures

Always remove contaminated clothing immediately.

Inhalation: GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL 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 CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.

Eye contact: FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN IF SYMPTOMS PERSIST.

MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED): no additional information
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED:
treat symptomatically

Section 5: Fire-fighting measures

5.1. Extinguishing media: Foam. Carbon dioxide. Dry chemical powder

5.2. Special hazards arising from the substance or mixture: Burning produces irritating, obnoxious and toxic fumes

5.3. Advice for fire-fighters: SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND APPROPRIATE PROTECTIVE CLOTHING.

Section 6: Accidental release measures

6.1. Personal precautions: ENSURE ADEQUATE VENTILATION OF THE WORKING AREA, EVACUATE PERSONNEL TO SAFE AREA, WEAR SUITABLE PROTECTIVE EQUIPMENT. NO SMOKING, SPARKS, FLAMES OR OTHER SOURCES OF IGNITION NEAR SPILLAGE. AVOID CONTACT WITH SKIN, EYES AND CLOTHING.

6.2. Environmental precautions: DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES.

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.

Section 7: Handling and storage

7.1. Handling requirements: HANDLE IN ACCORDANCE WITH GOOD HYGIENE AND SAFETY PRACTICE. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES. - NO SMOKING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.

7.2. Conditions for safe storage, including any incompatibilities: KEEP THE PRODUCT CONTAINER TIGHTLY CLOSED, IN A DRY, VENTILATED AREA. KEEP AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. MAINTAIN LIMITED CONTACT WITH OXYGEN.

Section 8: Exposure controls/personal protection

Control parameters: LINALOOL (CAS: 78-70-6) INGREDIENT COMMENTS : NO EXPOSURE LIMITS NOTED FOR INGREDIENT(S).

Exposure controls:

Hand protection: Use chemical resistant gloves

Eye protection: Safety goggles. Face-shield.

Respiratory equipment: GENERALLY UNNECESSARY IN A WELL VENTILATED AREA. IF VENTILATION IS INSUFFICIENT, RESPIRATORY PROTECTION MUST BE WORN.

Hygiene measures: GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.

Engineering measures: PROVIDE ADEQUATE VENTILATION OR RESPIRATORY PROTECTION.

Skin protection: WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.

Personal protection: AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES. USE OF CHEMICAL RESISTANT CLOTHING IS RECOMMENDED WHEN HANDLING.

Process conditions: ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. SAFETY SHOWER & EYE BATH.

Environmental exposure controls: AVOID DISCHARGING INTO DRAINAGE WATER. ONLY ELIMINATE BY AUTHORISED COMPANIES.

Section 9: Physical and chemical properties

Appearance: liquid

Colour: Pale yellow

Odour: Characteristic of nutmeg

Relative density: approx 0.882 @ 20°C

Flash point (°C): 36°C

Refractive index @ 20°C: APPROX. 1.481 @ 20°C

Insoluble in water

Section 10: Stability and reactivity

Reactivity: Presents no significant reactivity hazards. Stable under normal temperature conditions and recommended use.

Chemical stability: Stable under normal conditions (<15°C).

Hazardous reactions: Not expected under normal conditions of use.

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.

Incompatible materials: Strong oxidising agents. Strong acids. Strong Alkalis.

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.

Section 11: Toxicological information

Acute toxicity: harmful if swallowed

Skin irritation: cause skin irritation

Eye damage/irritation: causes serious eye irritation

Respiratory or skin sensitivity: 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 and repeated exposure: not classified

Aspiration hazard: may be fatal if swallowed and enters airways.

Section 12: Ecological information

Toxicity: very toxic to aquatic life with long lasting effects.

Persistence & degradability: no data

Bio-accumulative potential: no data

Mobility in soil: no data

Results of PBT & VPVB assessment: no data

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

Section 13: Disposal considerations

Waste treatment methods

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.

Section 14: Transport information

UN Number: road, rail and air- 1169

Shipping name: extracts, aromatic, liquid

Transport hazard classes: 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

STOWAGE AND HANDLING – CATEGORY A

ICAO/IATA

ICAO/IATA– CLASS 3

IATA PROPER SHIPPING NAME - EXTRACTS, AROMATIC, LIQUID EXPECTED QUANTITIES – E1

TRANSPORT LABELS



Packing group:

ADR/RID/ADN PACKING GROUP III

IMDG PACKING GROUP III

ICAO PACKING GROUP III

Environmental hazards: environmentally hazardous substance/marine pollutant



TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE: not applicable

Section 15: Regulatory information

PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION

December 2006. CONCERNING THE REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) NO793/93 & COMMISSION REGULATION (EC) NO1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC & COMMISSION DIRECTIVE 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (INCLUDING AMENDMENTS).

STATUTORY INSTRUMENTS

THE CHEMICALS (HAZARD INFORMATION & PACKAGING FOR SUPPLY REGULATIONS 2009 (S.I.2009 NO 716).

APPROVED CODE OF PRACTICE

CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA SHEETS FOR SUBSTANCES & PREPARATIONS.

GUIDANCE NOTES

WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108.

Chemical safety assessment: AN ASSESSMENT HAS NOT BEEN EXECUTED AS THIS IS NOT A HAZARDOUS MATERIAL ACCORDING TO ARTICLE 31 OF REACH 1907/2006.

Section 16: Other information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: