



SAFETY DATA SHEET (SDS)

Product Name: Nutmeg Essential Oil

Botanical Name: *Myristica fragrans* Houtt.

INCI Name: *Myristica Fragrans* (Nutmeg) Kernel Oil

CAS Number: 84082-68-8

EC Number: 282-013-3

FEMA Number: 2793

Product Type: Essential Oil (Steam Distilled, Safrole Free)

Recommended Use: Fragrance ingredient for perfumery, cosmetic and personal care applications.

Supplier: Aromology Trading LLC

Issue Date: 25 August 2025

Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier: Nutmeg Essential Oil

Botanical Source: *Myristica fragrans* Houtt.

Recommended Use: Perfumery, cosmetics, personal care products and aromatics.

Emergency Telephone: +971 505 197 601

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Hazard Class	Category
Flammable Liquid	Category 3
Skin Irritation	Category 2
Skin Sensitisation	Category 1
Eye Irritation	Category 2A
Aspiration Hazard	Category 1
Aquatic Chronic Toxicity	Category 2

Signal Word: Danger

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.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P210 Keep away from heat, sparks and open flames.

P261 Avoid breathing vapours.

P273 Avoid release to the environment.

P280 Wear protective gloves and eye protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or physician.

P331 Do NOT induce vomiting.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

P391 Collect spillage.

P501 Dispose of contents/container according to local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
Nutmeg Essential Oil (Safrole Free)	84082-68-8	100%
Safrole	94-59-7	<0.01%

SECTION 4: FIRST AID MEASURES



Inhalation

Move to fresh air.

Seek medical attention if symptoms persist.

Skin Contact

Wash thoroughly with soap and water.

Remove contaminated clothing.

Eye Contact

Flush with water for at least 15 minutes.

Seek medical attention if irritation persists.

Ingestion

Immediately seek medical attention.

Do **not** induce vomiting.

Symptoms

Skin irritation.

Eye irritation.

Possible allergic skin reaction.

Aspiration hazard if swallowed.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media

- Dry chemical powder
- Carbon dioxide
- Alcohol-resistant foam
- Water spray



Unsuitable Media

Direct water jet.

Hazardous Combustion Products

Carbon monoxide.

Carbon dioxide.

Irritating organic vapours.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove all ignition sources.

Provide adequate ventilation.

Prevent release into drains and waterways.

Absorb using sand, vermiculite or other inert absorbent.

Dispose according to local regulations.

SECTION 7: HANDLING AND STORAGE

Handling

Avoid skin and eye contact.

Avoid breathing vapours.

Use only in well-ventilated areas.

Keep away from ignition sources.

Storage

Store below 25°C.

Keep container tightly closed.



Protect from sunlight.

Store away from oxidising agents.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

No occupational exposure limits established.

Engineering Controls

General mechanical ventilation.

Eye Protection

Safety goggles.

Skin Protection

Chemical-resistant gloves.

Respiratory Protection

Organic vapour respirator when ventilation is inadequate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear pale yellow to amber liquid
Odour	Warm, spicy, sweet, woody, characteristic nutmeg
Flash Point	Approximately 68°C
Relative Density @20°C	0.875–0.905
Refractive Index @20°C	1.4700–1.4900
Optical Rotation	+8° to +20°
Solubility	Insoluble in water; soluble in alcohol and perfumery solvents

SECTION 10: STABILITY AND REACTIVITY



Reactivity

Stable under recommended conditions.

Chemical Stability

Stable under normal storage conditions.

Conditions to Avoid

Heat.

Open flames.

Strong oxidising agents.

Direct sunlight.

Hazardous Decomposition Products

Carbon oxides.

Organic decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

- Skin
- Eyes
- Inhalation
- Ingestion

Effects

Causes skin irritation.

May cause allergic skin reaction.

Causes serious eye irritation.

May be fatal if swallowed and enters airways.



SECTION 12: ECOLOGICAL INFORMATION

Toxic to aquatic organisms with long-lasting effects.

Avoid release into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents and containers according to local, national and international regulations.

Do not discharge into drains or waterways.

SECTION 14: TRANSPORT INFORMATION

Parameter	Information
UN Number	UN 1993
Proper Shipping Name	Flammable Liquid, N.O.S. (Contains Essential Oil)
Hazard Class	3
Packing Group	III
Marine Pollutant	Yes

SECTION 15: REGULATORY INFORMATION

Prepared in accordance with:

- UN GHS (Latest Edition)
 - Regulation (EC) No. 1272/2008 (CLP)
 - Regulation (EC) No. 1907/2006 (REACH)
 - IFRA Standards (51st Amendment)
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SECTION 16: OTHER INFORMATION



This Safety Data Sheet provides guidance for the safe handling, storage and use of Nutmeg Essential Oil – Safrole Free in perfumery, cosmetic and personal care applications.

This product is produced by steam distillation of the kernels of *Myristica fragrans*, followed by processing to reduce Safrole to trace levels ($<0.01\%$), making it suitable for fragrance applications requiring low-safrole materials while maintaining the characteristic warm, spicy nutmeg aroma.

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Company: Aromology Trading LLC

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