

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Nutmeg Essential Oil
Product code	EO-NUTMG
Botanical name	Myristica fragrans
CAS #	8008-45-5
Product use	Domestic and Industrial
Supplier	WFMed
Address	8245 Backlick Rd Unit D, Lorton VA 22079 USA
Telephone number	888-WFMED-97 (888-936-3397)
Emergency phone number	888-WFMED-97 (888-936-3397)

2. HAZARD(S) IDENTIFICATION

GHS Hazard Classification

Flammable liquids - Category 3 - H226
Aspiration hazard - Category 1 - H304
Skin corrosion/irritation - Category 2 - H315
Serious eye damage/eye irritation - Category 2A - H319
Specific target organ toxicity, single exposure; Respiratory tract irritation - Category 3 - H335
Carcinogenicity - Category 1A - H350
Hazardous to the aquatic environment, acute hazard - Category 1 - H400

GHS Label Elements



Pictogram
Signal Word

Danger

Hazard Statements

H226
H304
H315
H319
H335
H350
H400

Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
May cause cancer.
Very toxic to aquatic life.

Precautionary Statements - Prevention

P201
P202

P210

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/light/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash face, hands and any exposed skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

P301+P310	If swallowed: Immediately call a POISON CENTER or doctor/physician.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
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: Call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists get medical advice/attention.
P362	Take off contaminated clothing.
P370+P378	In case of fire: CO2, dry chemical, or foam to extinguish.
P391	Collect spillage.

Precautionary Statements - Storage

P403+P233+P235	Store in a well ventilated place. Keep container tightly closed. Keep cool.
P405	Store locked up.

Precautionary Statements - Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulation.
------	--

Hazards Not Otherwise Classified (HNOC)

No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Product Name</u>	<u>CAS NO</u>	<u>Concentration</u>
Nutmeg Essential Oil	8008-45-5	100%

4. FIRST-AID MEASURES

Description of first aid measures

Eye Contact

Rinse immediately with plenty of water. Do not apply neutralizing agents. Get medical attention if irritation persists.

Skin Contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

Remove from exposure and move to fresh air. Get medical attention if symptoms appear.

Ingestion

Rinse mouth with water. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

Most important symptoms and effects, both acute and delayed

May cause cancer by inhalation. May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. Risk of aspiration pneumonia. May be fatal if swallowed and enters airways.

Indication of any immediate medical attention and special treatment needed

After absorption of high quantities: nausea, headache, central nervous system depression, dizziness.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Polyvalent foam, BC powder, carbon dioxide, foam, dry powder, water spray, or sand.

Specific hazards arising from the chemical

Carbon oxides.

Special protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Protective clothing (gloves, protective goggles, head/neck protection) recommended. Keep containers closed, and wash contaminated areas.

Environmental precautions

Keep away from drains, surface and groundwater. Report spills to appropriate authorities if required.

Methods and materials for containment and cleaning up**Methods for containment**

Contain released substance, pumping into suitable containers. Plug the leak, cut off the supply. Dam up liquid spill. Try to reduce evaporation. Dilute/disperse combustible gas/vapour with water curtain. Do not use compressed air for pumping over spills.

Methods for cleaning up

Take up liquid spill into absorbent material. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

7. HANDLING AND STORAGE

Precautions for safe handling

Comply with all legal requirements. Clean contaminated clothing, and observe normal hygiene standards. Keep containers tightly closed. Use in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking, and when leaving work. Provide adequate ventilation in processing areas to prevent formation of vapor. Do not discharge waste into drains.

Conditions for safe storage, including any incompatibilities

Storage conditions

Keep only in the original container, in a cool and well-ventilated place, away from direct sunlight. Keep container closed when not in use.

Incompatible materials

Strong bases, strong acids, sources of ignition.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory books.

Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/Face protection: Chemical goggles or safety glasses.

Skin/Body protection: Wear protective gloves, and head/neck protection.

Respiratory protection: Respiratory protection is normally not required in well ventilated areas. However, approved respiratory protection may be required when the material is rated toxic by inhalation or if the material is to be used in a confined area.

General hygiene considerations

Acceptable industrial hygiene practices should be maintained.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Colorless to light yellow
Odor	Characteristic odor
Boiling point	165°C
Flash point	>43°C
Relative density	0.86 - 0.92
Solubility	Insoluble in water. Soluble in ether, chloroform, and oil.
VOC content	100%

10 . STABILITY AND REACTIVITY

Reactivity

Upon combustion: CO and CO₂ are formed.

Chemical stability

Stable under recommended storage conditions.

Possible hazardous reactions

No data available.

Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

Incompatible materials

Strong acids, strong bases.

Hazardous decomposition

Carbon monoxide, carbon dioxide, fume.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

LD₅₀ Oral: 2620 mg/kg (rat)

LD₅₀ dermal: >10000 mg/kg (rabbit)

ARE US (oral): 2620.000 mg/kg body weight

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction and respiratory irritation.

Germ cell mutagenicity

No data available.

Carcinogenicity

May cause cancer.

Reproductive toxicity

No data available.

Aspiration hazard

May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Product**

Dispose of product in accordance with local regulations.

Contaminated packaging

Do not reuse container.

14. TRANSPORT INFORMATION**US DOT (Land)**

UN/ID #	1169
Proper Shipping Name	Flammable liquids, n.o.s.
Hazard Class	3
Packing Group	III

IMDG/IMO (Sea)

UN/ID #	1169
Proper Shipping Name	Flammable liquids, liquid, n.o.s.
Hazard Class	3
Packing Group	III

IATA/ICAO (Air)

UN/ID #	1169
Proper Shipping Name	Flammable liquids, n.o.s.
Hazard Class	3
Packing Group	III

15. REGULATORY INFORMATION**SARA 311/312/313 Hazard Categories**

No data available.

California Proposition 65

This product does not contain any Proposition 65 chemicals.

16. OTHER INFORMATION

Creation date: 10/9/2013

Revision date: 6/28/2017

Disclaimer & Caution:

The information contained in Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of WFMed's knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. Final determination of the suitability of the material is the sole responsibility of the user. Customers should purchase products from WFMed with the clear understanding that all products must be used at the customer's own discretion and only after referencing Material Safety Data Sheets (MSDS) and all other relevant technical information specific to the product. WFMed shall not be held responsible for any damages to the property or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge or the improper use of a product. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As with any manufacturing process, WFMed strongly recommends small lab scale testing for evaluation purposes prior to full commercial manufacturing. The information on the WFMed website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. Nothing contained herein should be considered as a recommendation by WFMed as to the fitness for any use. As the ordinary or otherwise uses of this product is outside the control of WFMed no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The liability of WFmed is limited to the value of the goods and does not include any consequential loss. WFmed shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.