

SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : April 22, 2022

Print Date : May 4, 2024

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Nutmeg (Grenada) Essential Oil
Botanical name	:	Myristica fragrans
FEMA	:	2793
INCI name	:	Myristica fragrans (Nutmeg) Kernel Oil
CAS #	:	8008-45-5
Country of Origin	:	West Indies
EINECS #	:	282-013-3
Product use	:	Domestic and Industrial
Supplier	:	New Directions Aromatics Inc.
Address	:	6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Fax	:	905-362-1926
Telephone number	:	905-362-1915
Emergency phone number	:	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. HAZARDS IDENTIFICATION

Emergency Overview

WHMIS Classification

B3	Combustible Liquid.	
D2B	Toxic Material Causing	Moderate skin irritant.
.	Other Toxic Effects	Moderate eye irritant

GHS Classification

Flammable Liquid, Category 3.

Skin Corrosion/Irritation - Category 2

GHS Label elements, including precautionary statements

Signal: Warning

Hazard statement(s)

H226	Flammable liquid and vapor
H303	May be harmful if swallowed.
H315	Causes skin irritation.

Precautionary statement(s)

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Safrol			0.01 - 0.1%
Eugenol			30 - 39%

4. FIRST AID MEASURES

Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact

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

Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion

Seek medical attention or contact local poison control center.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Foam. Dry Powder. Carbon dioxide.

Unsuitable extinguishing media

Water spray, water jet.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Use tightly sealed goggles.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Colorless to pale yellow liquid.
Odor	:	Characteristic nutmeg odor.
Initial b.p and boiling range	:	79.3°C @ 760 mmHg
Vapor pressure	:	2.0 mmHg @ 20°C
Relative density	:	0.8540 – 0.910 @ 20°C
Refractive index	:	1.4740 – 1.4880
Optical rotation	:	8.0°C to +30.0°C

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral - Rat - 2,620 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity).

LD50 Dermal - Rabbit - > 10,000 mg/kg

Note: Toxicology information is gathered from reference and research sources.

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Specific target organ toxicity

Inhalation - May cause respiratory irritation.

Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Skin contact

Adverse skin effects should be prevented by normal care and personal hygiene.

Eye contact

Possible irritation should be prevented by wearing safety glasses.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Avoid any pollution of ground, surface or underground water.

Persistence and degradability

Not available.

Mobility in soil

Not available.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

UN Number

1993

UN proper shipping name

Flammable liquid, n.o.s. (Nutmeg oil)

Transport hazard class

3

Packing group

III

US DOT Shipping Description (Land)

1993

Proper shipping name

Flammable liquid, n.o.s. (Nutmeg oil)

Class

3

Packaging group

III

IMO-IMDG Shipping Description (Sea)

1993

Proper shipping name

Flammable liquid, n.o.s. (Nutmeg oil)

Class

3

Packaging group

III

IATA Shipping Description (Air)

1993

Proper shipping name

Flammable liquid, n.o.s. (Nutmeg oil)

Class

3

Packaging group

III

15. REGULATORY INFORMATION

WHMIS Classification

B3, D2B

California Proposition 65

Contains substance identified in the revised list of the California Safe Cosmetic program SB 484 (included in Proposition 65 revised list): - Contains Pulegone, safrole, myrcene.

GHS Hazard Statements

See section 2.

GHS Precautionary Statements

See section 2.

16. OTHER INFORMATION

Revision date : April 22,2022

Disclaimer & Caution

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