

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Mace Essential Oil (Sri Lanka)
Botanical name	:	Myristica fragrans
FEMA	:	2653
INCI name	:	Myristica Fragrans (Mace) Oil
CAS #	:	8007-12-3
Country of Origin	:	Sri Lanka
Product use	:	Domestic and Industrial
Supplier	:	Botanic Universe
Address	:	295 Alliance Rd. Unit 12 Milton Ontario, Canada, L9T 4W8
Telephone number	:	1-877-509-6457

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Flammable liquid - Category 3

Aspiration hazard - Category 1

Skin sensitization - Category 1

Germ cell mutagenicity - Category 2

Carcinogenicity - Category 1A, 1B

Hazardous to the aquatic environment, acute hazard - Category 1

Hazardous to the aquatic environment, long-term hazard - Category 1

GHS Label elements, including precautionary statements



Signal: Danger

Hazard statement(s)

H226	Flammable liquid and vapor.
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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long-lasting effects.

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
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.
P308+P313	If exposed: Call a POISON CENTER or doctor/physician.
P321	Specific treatment (see section 4 on this label).
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use ... to extinguish.
P391	Collect spillage.
P403+P235	Store in a well ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container according to local regulations.
P273	Avoid release to the environment.

Other Info

P281

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
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Alpha-pinene	12 - 22%
Beta-pinene	10 - 17%
Sabinene	34 - 45%
Miristicene	0.8 - 5%
Eugenol	Less than 0.6%
Isoeugenol	Less than 1%
Geraniol	Less than 0.4%
Citronellol	Less than 0.2%
Limonene	Less than 7.0%
Linalool	Less than 0.4%

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.

Keep the patient calm, maintain blood pressure and control nausea and vomiting.

Administer charcoal as a slurry (240 ml water/30g charcoal).

Hypotension, although rare, may occur.

Vomiting: Anti-nauseant suppositories may be used.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Foam. Dry Powder. Carbon dioxide.

Unsuitable extinguishing media

Water spray, waterjet.

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 yellow liquid.
Odor	:	Characteristic aroma reminiscent of nutmeg.
Initial b.p and boiling range	:	165 °C.
Flashpoint	:	42.78 °C
Relative density	:	0.8850 - 0.9300 @ 30°C
Solubility (ies)	:	Insoluble in cool and hot water.
Refractive index	:	1.4710 - 1.4900 @ 25°C.
Optical rotation	:	+8° to +25° @ 27°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

Acute oral toxicity (LD50) 3640 mg/Kg Rat.
Acute dermal toxicity (LD50) > 5000mg/Kg Rabbit.

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

Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

Persistence and degradability

Sensitivity to light, air, oxidizing agent, acid and alkali, however long term degradation may arise.

Bio - accumulative potential

Product is unlikely to accumulate in the environment.

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

1169

UN proper shipping name

EXTRACTS, AROMATIC, LIQUID

Transport hazard class

3

Packing group

III

US DOT Shipping Description (Land)

1169

Proper shipping name

EXTRACTS, AROMATIC, LIQUID

Class

3

Packaging group

III

IMO-IMDG Shipping Description (Sea)

1169

Proper shipping name

EXTRACTS, AROMATIC, LIQUID

Class

3

Packaging group

III

IATA Shipping Description (Air)

1169

Proper shipping name

EXTRACTS, AROMATIC, LIQUID

Class

3

Packaging group

III

Emergency action in case of accident

Notify police and fire department immediately

15. REGULATORY INFORMATION

WHMIS Classification

B3

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 Myrcene.

GHS Hazard Statements

See section 2.

GHS Precautionary Statements

See section 2.

16. OTHER INFORMATION

Revision date : June 5, 2018

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