

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

RAVINTSARA OIL BIO-MADA

Version 3

Revision Date 17.08.2020

Print Date 17.11.2020

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Commercial Product Name : RAVINTSARA OIL BIO-MADA
CAS-No. : 92201-50-8
EC-No. : 295-980-1

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Flavor

1.3 Details of the supplier of the safety data sheet

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquid, Category 3
Skin irritation, Category 2
Eye irritation, Category 2
Skin sensitisation, Category 1
Germ cell mutagenicity, Category 2
Cancerinogenicity, Category 2
Aspiration hazard, Category 1
Chronic hazard, Category 2

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



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Signal word : Danger

Hazard statement : 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 Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot Surfaces- No smoking.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response :
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN : Wash with plenty of soap and water.
P305+P351+P338 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Contains : Cineol 1,8 ; Sabinene ; Alpha-terpineol ; Alpha-pinene

2.3 Other hazards

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical characterization : *Cinnamomum camphora* L.
CAS-No. : 92201-50-8
EINECS-No. / ELINCS No. : 295-980-1

3.2 Mixtures

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Cineol 1,8	470-82-6 207-431-5	Flam. Liq.: 3; H226 Skin Sens.: 1; H317	>= 55 - < 70
Sabinene	3387-41-5 222-212-4	Flam. Liq.: 3; H226 Asp. Tox.: 1; H304 Skin Irrit.: 2; H315 Eye Irrit.: 2; H319 Resp. Tox.: 1 ; H335	>= 8 - <15
Alpha-terpineol	68540-43-2 202-680-6	Skin. Irrit. : 2 ; H315 Eye Irrit.: 2; H319	>= 5 - <8

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Alpha-pinene	2437-95-8 80-56-8 201-291-9 219-445-9	Asp. Tox.: 1; H304 Skin Sens.: 1; H317 Skin Irrit.: 2; H315 Flam. Liq.: 3; H226	>=4 - <8
Myrcene	123-35-3 204-622-5	Flam. Liq.: 3; H226 Asp. Tox.: 1; H304 Aquatic chronic 3; H412	>= 4 - < 7.5
Alpha-terpinene	99-86-5	Flam. Liq.: 3; H226 Acute Tox. : 4 (Oral) ; H302 Aquatic Chronic 2 ; H411	>= 0.5 - <2
Gamma-terpinene	99-85-4 202-794-6	Flam. Liq.: 3; H226 Asp. Tox.: 1; H304	>=0.5 - < 2
Terpinene-4-ol	562-74-3 209-235-5	Acute Tox. : 4 (Oral) ; H302 Skin Irrit.: 2; H315 Eye Irrit.: 2; H319	>=0.5 - < 2

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Ingestion	: Rinse mouth with water (only if the subject is conscious). Do not induce vomiting unless indicated otherwise by medical professionals. If harmful effects persist or worsen, call a doctor immediately.
Eye contact	: Rinse the affected eye with abundant amounts of lukewarm running water or saline solution for 15 to 20 minutes. If the irritation persists for more than 30 minutes after the ocular wash or a skin lesion is visible, seek medical advice from an ophthalmologist.
Skin contact	: Wash exposed area with abundant amount of water. Remove contaminated clothing if necessary. If an irritation persists or a skin lesion is visible, seek medical advice.
Inhalation	: Remove subject and place in fresh air environment. In case of doubt or if the symptoms persist, always consult a medical doctor. NEVER give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Recommended	: Carbon dioxide (CO ₂) or dry powder fire extinguisher (ABC classes).
Usable	: Foam extinguisher.

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Extinguishing methods to avoid : NEVER use direct jet of water.

5.2 Special hazards arising from the substance or mixture

No data available.

5.3 Advice for firefighters

Avoid exposure to fumes and vapors. If necessary, use an appropriate respirator. Do not use water to extinguish the flames, because essential oils float on water and the spread of fire would be accelerated.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Remove all potential flammable sources. Ventilate premises. Do not smoke.

6.2 Environmental precautions

Environmental precautions : Avoid direct discharges in sewers and within the natural environment (surface or underground waters). Large spills should be cleaned with inert absorbent material. Dispose of towels, sponges, absorbent material, etc., used to sponge off or absorb, according to applicable regulations.

6.3 Methods and materials for containment and cleaning up

Not available.

6.4 Reference to other sections

Not available.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling : Handle the product under good conditions. Provide good ventilation in storage and handling rooms. Avoid contact with skin, eyes, and the inhalation of concentrated vapors. Do not smoke. Use glasses and protective gloves.

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7.2 Conditions for safe storage, including any incompatibilities

Keep away from heat, light, in tightly closed containers, dry and under nitrogen layer if possible and if necessary. Avoid temperature variation. Keep in temperate area. Fit quantities according to container volume; avoid too important empty spaces. Avoid PVC containers.

7.3 Specific end use(s)

Flavor

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures

none

Personal protective equipment

Respiratory protection	: Not normally required in well ventilated areas (unless stated otherwise).
Hand protection	: Wearing gloves made of nitrile or polyvinyl alcohol (PVA) is recommended.
Eye protection	: Wearing protective eyewear is recommended.
Skin and body protection	: Avoid contact with skin, wearing protective clothing is recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties Appearance

Odour : Spicy, sweet, eucalyptol-like, fresh and balsamic

Odour Threshold : No data available

Safety data

Flash point : 56°C

Water solubility : insoluble

Relative density : 0,900 – 0,920

Bulk density : not determined

Relative vapour density : not determined Vapour

pressure : 0.02 mm Hg 200

Melting point/freezing point : not determined

Boiling point : not determined

Partition coefficient: n- : log Pow: octanol/water
not determined

pH : Not applicable

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Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Oxidizing properties	: No data available
	Explosive properties : No risk at room temperature, comply with current legislation requirements
Lower explosion limit	: No data available
Upper explosion limit	: No data available

9.2 Other data

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	: This product is stable to shock, vibration and pressure under normal conditions of use. In the presence of light and heat, there may be an oxidation.
10.2 Chemical stability	: No important modification of the substance through time when product is stored under normal ambient and anticipated storage and handling conditions of temperature and pressure.
10.3 Possibility of hazardous reactions	: No hazardous reactions to the best of our knowledge if use is appropriate.
10.4 Conditions to avoid	: Do not heat above 122 °F (+50 °C). Do not expose containers to the sun. : P.V.C.
10.5 Incompatible materials to avoid	
10.6 Hazardous decomposition Products	: No decomposition under compliant usage.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity	: 3730 mg/kg
Acute inhalation toxicity	: No data available
Acute dermal toxicity	: No data available
Repeated dose toxicity	: No data available
Acute toxicity (other routes of administration)	: No data available
Skin irritation	: No data available
Eye irritation	: No data available
Aspiration	: No data available
Sensitisation	: No data available
Mutagenicity	: No data available

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Carcinogenicity	:	No data available
Reproductive toxicity	:	No data available
Teratogenicity	:	No data available
Specific target organ toxicity - single exposure	:	No data available
Specific target organ toxicity - repeated exposure	:	No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment. Avoid entry of material into the aquatic environment.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste disposal methods

Product	:	Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR	:	1169
RID	:	1169
IMDG	:	1169
IATA-DGR	:	1169

14.2 Proper shipping name

ADR	:	EXTRACTS, AROMATIC, LIQUID
RID	:	EXTRACTS, AROMATIC, LIQUID
IMDG	:	EXTRACTS, AROMATIC, LIQUID (3,7,7-TRIMETHYL-BICYCLO-(4.1.0) HEPT-3-EN,PIN-2(3)-ENE) MP
IATA-DGR	:	Extracts, aromatic, liquid

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14.3 Transport hazard class

ADR : 3
RID : 3
IMDG : 3
IATA-DGR : 3

14.4 Packing group

ADR:
Packaging group : III
Classification Code : F1
Labels : 3
Tunnel restriction code : (E)

RID:
Packaging group : III
Classification Code : F1
Hazard Identification : 30
Number
Labels : 3

IMDG:
Packaging group : III
Labels : 3
EmS-EmS : F-E, S-D

IATA-DGR:
Packaging instruction : 366
(cargo aircraft)
Qty/PKg (Cargo) : 220,00L
Packaging instruction : 355
(passenger aircraft)
Qty/PKg (Passenger) : 60,00L
Packaging group : III
Labels : 3

14.5 Environmental hazards

ADR:
Environmentally hazardous: yes

RID:
Environmentally hazardous: yes

IMDG:
Marine pollutant: yes

14.5 Environmental hazards

ADR:
Environmentally hazardous: yes

RID:
Environmentally hazardous: yes

IMDG:
Marine pollutant: Yes

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according

Not applicable.

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National legislation

Not available

Water contaminating class : Yes

15.2 Chemical safety assessment

No data available

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.:

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.

Further information

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.