

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

GINGER OIL BIO MADA

Version 9

Revision Date 07.06.2020

Print Date 08.12.2020

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

1.1 Product identifier

Commercial Product Name : GINGER OIL BIO MADA.

Material number : 165902

CAS-No. : 84696-15-1, 8007-08-7

EC-No. : 283-634-2

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

Use of the Substance/Mixture : Fragrance

1.3 Details of the supplier of the safety data sheet

1.4 Emergency telephone number

Emergency CONTACT (24-Hour-Number)
+261 34.51.52.844

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2	H315
Eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Aspiration hazard, Category 1	H304
Chronic aquatic toxicity, Category 2	H411

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



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Signal word	: Danger	
Hazard statements	: H304 H315 H317 H319 H411	May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.
Precautionary statements	: Prevention: P280 Response: P301 + P310 P302 + P352 P305 + P351 + P338 P331 P333 + P313	Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do NOT induce vomiting. If skin irritation or rash occurs: Get medical advice/ attention.
Contains	: P-MENTHA-1(7),2-DIENE, 2-METHYL-6-(4-METHYLCYCLOHEX-3-EN-1-YLIDENE)HEPT-2-ENE, 2,6,6-TRIMETHYL-BICYCLO(3.1.1)-HEPT-2-ENE, CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (R)-	

2.3 Other hazards

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical characterization	: Ginger, ext.
CAS-No.	: 84696-15-1, 8007-08-7
EINECS-No. / ELINCS No.	: 283-634-2

3.2 Mixtures

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Citral	5392-40-5 226-394-6	Eye Irrit.: 2; H319 Skin Irrit.: 2; H315 Skin Sens.: 1B; H317	>=10-<20
Camphene ¹⁾	79-92-5 201-234-8	Flam. Sol.: 2; H228 Eye Irrit.: 2; H319 Aquatic Acute: 1; H400 Aquatic Chronic: 1; H410	>=10-<20

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p-Mentha-1(7),2-diene	555-10-2 209-081-9	Asp. Tox.: 1; H304 Flam. Liq.: 3; H226	>=5-<10
2-Methyl-6-(4-methylcyclohex-3-en-1-ylidene)hept-2-ene	495-62-5 17627-44-0 495-61-4 207-805-8 241-610-9	Asp. Tox.: 1; H304 Skin Sens.: 1; H317 Skin Irrit.: 2; H315	>=5-<10
Pin-2(3)-ene	80-56-8 201-291-9	Asp. Tox.: 1; H304 Skin Sens.: 1; H317 Skin Irrit.: 2; H315 Flam. Liq.: 3; H226	>=1-<5
Cineole	470-82-6 207-431-5	Flam. Liq.: 3; H226 Skin Sens.: 1; H317	>=1-<5
(R)-p-Mentha-1,8-diene	5989-27-5 227-813-5	Asp. Tox.: 1; H304 Aquatic Chronic: 1; H410 Aquatic Acute: 1; H400 Skin Sens.: 1B; H317 Skin Irrit.: 2; H315 Flam. Liq.: 3; H226	>=1-<5
7-Methyl-3-methyleneocta-1,6-diene	123-35-3 204-622-5	Asp. Tox.: 1; H304 Flam. Liq.: 3; H226 Eye Irrit.: 2; H319 Skin Irrit.: 2; H315	>=1-<5
(1S-Endo)-1,7,7-Trimethylbicyclo [2,2,1] Heptan-2-ol	464-45-9 207-353-1	Skin Irrit.: 2; H315 Flam. Sol.: 1; H228	>=1-<5
Linalool	78-70-6 201-134-4	Skin Irrit.: 2; H315 Eye Irrit.: 2; H319 Skin Sens.: 1B; H317	>=0,1-<1
p-Mentha-1,4(8)-diene	586-62-9 209-578-0	Asp. Tox.: 1; H304 Aquatic Chronic: 1; H410 Aquatic Acute: 1; H400 Skin Sens.: 1; H317	>=0,1-<1
Pin-2(10)-ene	127-91-3 204-872-5	Flam. Liq.: 3; H226 Skin Irrit.: 2; H315 Skin Sens.: 1B; H317 Asp. Tox.: 1; H304	>=0,1-<1
Geraniol	106-24-1 203-377-1	Skin Irrit.: 2; H315 Eye Dam.: 1; H318 Skin Sens.: 1B; H317	>=0,1-<1
Caryophyllene	87-44-5 201-746-1	Asp. Tox.: 1; H304 Skin Sens.: 1B; H317	>=0,1-<1
Citronellol	106-22-9 203-375-0	Skin Irrit.: 2; H315 Skin Sens.: 1B; H317 Eye Irrit.: 2; H319	>=0,1-<1
Undecan-2-one	112-12-9 203-937-5	Aquatic Acute: 1; H400	>=0,1-<1
Farnesol	4602-84-0 225-004-1	Skin Irrit.: 2; H315 Skin Sens.: 1; H317 Eye Irrit.: 2; H319	>=0,1-<1

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Isoeugenol	97-54-1 202-590-7	Acute Tox.: 4 (Oral); H302 Acute Tox.: 4 (Dermal); H312 Skin Irrit.: 2; H315 Eye Irrit.: 2; H319 Skin Sens.: 1A; H317	$\geq 0,1 < 1$
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For the full text of the H-Statements mentioned in this Section, see Section 16.

Acute aquatic toxicity:

1) $0,1 < L(E)C50 \leq 1 \text{ mg/l}$

2) $0.01 < L(E)C50 \leq 0.1 \text{ mg/l}$

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice : Move out of dangerous area.
Never give anything by mouth to an unconscious person.

Inhalation : Move to fresh air.

Skin contact : Take off all contaminated clothing immediately.
If symptoms persist, call a physician.
Wash off immediately with soap and plenty of water.

Eye contact : Protect unharmed eye.
Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Ingestion : Prevent vomiting if possible.
If a person vomits when lying on his back, place him in the recovery position.
Never give anything by mouth to an unconscious person.
If accidentally swallowed obtain immediate medical attention.

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

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which shall not be used for safety reasons : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.
Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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- Further information
- : In the event of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.
 - Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
 - Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions
- : Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

- Environmental precautions
- : Should not be released into the environment.
Do not allow material to contaminate ground water system.
Do not let product enter drains.
Avoid subsoil penetration.
Do not contaminate water.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

- Methods for cleaning up
- : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Dam up.
Wipe up with absorbent material (e.g. cloth, fleece).
- Additional advice
- : Local authorities should be advised if significant spillages cannot be contained.
Suppress (knock down) gases/vapours/mists with a water spray jet.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

- Advice on safe handling
- : Dispose of rinse water in accordance with local and national regulations.
Avoid contact with skin and eyes.
For personal protection see section 8.
- Advice on protection against fire and explosion
- : When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers
- : Store in original container.
Keep container tightly closed in a dry and well-ventilated place.
To maintain product quality, do not store in heat or direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Fragrance

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters, Germany:

Components	CAS-No.	Control parameters	Update	Basis
(R)-p-Mentha-1,8-diene	5989-27-5	AGW 5 ppm	04 2013	TRGS 900

Components with workplace control parameters, Spain:

Components	CAS-No.	Control parameters	Update	Basis
Citral	5392-40-5	VLA-ED 5 ppm	2013	VLA (ES)
Pin-2(3)-ene	80-56-8	VLA-ED 20 ppm	2012	VLA (ES)
Pin-2(10)-ene	127-91-3	VLA-ED 20 ppm	2012	VLA (ES)

Components with workplace control parameters, Poland:

Components	CAS-No.	Control parameters	Update	Basis
Citral	5392-40-5	NDSch 54 mg/m3 NDS 27 mg/m3	12 2011 12 2011	POL MAC POL MAC

8.2 Exposure controls

Engineering measures

none

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.
Wear chemicals-resistant gloves, e.g. safety gloves of chloroprene Level 2 or of butyl rubber Level 6.
- Eye protection : Safety glasses
- Skin and body protection : Lightweight protective clothing
Remove and wash contaminated clothing before re-use.
- Hygiene measures : Wash hands before breaks and immediately after handling the product.

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Protective measures : Avoid contact with skin.
When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Form : liquid
Colour : light yellow to dark yellow
Odour : characteristic
Odour Threshold : No data available

Safety data

Flash point : 67 °C
Water solubility : immiscible
Relative density : 0,8630 - 0,9050 at
20 °C relation to density of water at 4°C
Bulk density : Not applicable
Relative vapour density : not determined
Vapour pressure : 2 kPa at 50 °C
calculated
Melting point/freezing point :
not determined
Boiling point : not determined
Partition coefficient: n-
octanol/water : log Pow:
not determined
pH : Not applicable
Evaporation rate : Lower than the evaporation rate of butyl acetate = 1
Flammability (solid, gas) : Not applicable
Auto-ignition temperature : The substance or mixture is not classified as self heating.
Decomposition temperature : No data available
Oxidizing properties : The substance or mixture is not classified as oxidizing.
Explosive properties : Due to its structural properties, the product is not classified as explosive
Lower explosion limit : Vapours may form explosive mixtures with air.
Upper explosion limit : Vapours may form explosive mixtures with air.

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A final assessment of potential explosion hazards can only be made on a case-by-case basis when precise information is available on product handling, production setup and the circumstances surrounding the use of the product.

9.2 Other data

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	: No data available
10.2 Chemical stability	: No data available
10.3 Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
10.4 Conditions to avoid	: No data available
10.5 Incompatible materials to avoid	: No data available
10.6 Hazardous decomposition products	: No data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity	: No data available
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
Sensitisation	: No data available
Mutagenicity	: No data available
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

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Aspiration toxicity : No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	: Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. The product should not be allowed to enter drains, water courses or the soil.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR	: 3082
RID	: 3082
IMDG	: 3082
IATA-DGR	: 3082

14.2 Proper shipping name

ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2-DIMETHYL-3-METHYLEN-BICYCLO(2.2.1) HEPTANE)
RID	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2-DIMETHYL-3-METHYLEN-BICYCLO(2.2.1) HEPTANE)
IMDG	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2-DIMETHYL-3-METHYLEN-BICYCLO(2.2.1)HEPTANE,PIN-2(3)-ENE) MP

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IATA-DGR : Environmentally hazardous substance, liquid, n.o.s. (2,2-DIMETHYL-3-METHYLEN-BICYCLO(2.2.1)HEPTANE)

14.3 Transport hazard class

ADR : 9
RID : 9
IMDG : 9
IATA-DGR : 9

14.4 Packing group

ADR:
Packaging group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9
Tunnel restriction code : (-)

RID:
Packaging group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9

IMDG:
Packaging group : III
Labels : 9
EmS - EmS : F-A, S-F

IATA-DGR:
Packing instruction (cargo aircraft) : 964
Qty/Pkg (Cargo) : 450,00 L
Packing instruction (passenger aircraft) : 964
Qty/Pkg (Passenger) : 450,00 L
Packaging group : III
Labels : 9MI

14.5 Environmental hazards

ADR:
Environmentally hazardous : yes

RID:
Environmentally hazardous : yes

IMDG:
Marine pollutant : yes

IATA-DGR:
Environmentally hazardous : yes

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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

Risk classification according to BetrSichV (Germany) : Flash Point > 55 °C up to 100 °C, at 15 °C not miscible with water

Water contaminating class (Germany) : WGK 2 (water endangering)
3.817 VwVWS Annex 3

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.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Any data changes with reference to previous versions are marked by a vertical line in front of the concerned paragraph.