according to the Globally Harmonized System

# Givaudan

# Taste Magic Orange Oil Fresh

Version 13.0 Revision Date 18 DEC 2023 Print Date 18 DEC 2023

#### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Sales No. : PM-ECOM-005

Taste Magic Orange Oil Fresh

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

Intended Use Flavours : Flavouring for foodstuffs. Not for retail sale

#### 1.3 Details of the supplier of the safety data sheet

Company

Givaudan (India) Private Ltd., MIDC Andheri (E) Mumbai 400093

401 Akruti Center Point, 1st Floor MIDC Central Road,

MUMBAI 400093

**INDIA** 

Telephone : +912266625700 Telefax : +91226662575

E-mail address : global.sds\_info@givaudan.com

Responsible/issuing person

# 1.4 Emergency telephone number

+6531581198

Please refer to section 16 for a full list of emergency phone numbers.

#### SECTION 2. Hazards identification

#### 2.1 Classification of the substance or mixture

#### Classification (Globally Harmonized System)

Flammable liquids, Category 3 H226: Flammable liquid and vapour.

Skin corrosion/irritation, Category 2 H315: Causes skin irritation.

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.
Aspiration hazard, Category 1 H304: May be fatal if swallowed and enters

airwavs.

Short-term (acute) aquatic hazard, H400: Very toxic to aquatic life.

Category 1

Long-term (chronic) aquatic hazard, H412: Harmful to aquatic life with long lasting

Category 3 effects.

#### 2.2 Label elements

# Labelling (Globally Harmonized System)

Administrative information:

according to the Globally Harmonized System

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Hazard pictograms









Signal word	:	Danger				
Hazard statements	:	H226 H304 H315 H317 H400 H412	May b airwa Causo May c Very b	es skin irritati cause an alle toxic to aquat ful to aquatic	on. ons skin readic life.	ction.
Precautionary statements	:	Prevention: P210	Keep	flames and o		aces, sparks, sources. No
		P233 P240	Keep Grour	ing. container tig nd and bond i ment.		d receiving
		P241	Use e lightir	explosion-pro ng equipment		ventilating/
		P242 P243 P261	Take	on-sparking action to pred breathing m	vent static di	
		P264 P272	Wash Conta	skin thorough aminated wor and out of the	hly after har k clothing sh	ndling.
		P273 P280	Avoid Wear	release to the protective glarotection/ fac	ie environme oves/ protec	tive clothing/
		Response:				
		P301 + P31		VALLOWED: mmediately.	Get emerge	ncy medical
		P303 + P36	imme	F ON SKIN (odiately all contacts)  affected are	ntaminated o	clothing.
		P331	Do No	OT induce vo	miting.	
		P333 + P31	7 If skir help.	irritation or r	ash occurs:	Get medical
		P362 + P36	4 Take	off contaminate reuse.	ated clothing	and wash it
		P370 + P37	8 In cas or alc	se of fire: Use ohol-resistan		
		P391	Collec	ct spillage.		

Administrative information:
Report Information: SDS\_IN/EN/GHS\_SDS\_UN\_CNTRY/30
Sales & Distribution Information: MU02/FL/XX10/01 Shipping Order Information: 28,867,050/24,426,261

Storage:

according to the Globally Harmonized System

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P403 + P235 P405 Store in a well-ventilated place. Keep cool. Store locked up.

Disposal:

P501

Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

• (R)-p-mentha-1,8-diene 5989-27-5

• 7-methyl-3-methylene-1,6-octadiene 123-35-3 (= myrcene)

• citral 5392-40-5

#### 2.3 Other hazards

no data available

# SECTION 3. Composition/information on ingredients

Chemical name	CAS-No. EC-No.	Classification (Globally Harmonized System)	Concentration [%]
(R)-p-mentha-1,8-diene	5989-27-5 227-813-5	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 3; H412	>= 50 - <= 100
7-methyl-3-methylene-1,6-octadiene (= myrcene)	123-35-3 204-622-5	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Eye Irrit. 2A; H319 Skin Irrit. 2; H315 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	>= 1 - < 2.5
citral	5392-40-5 226-394-6	Flam. Liq. 4; H227 Skin Irrit. 2; H315 Eye Irrit. 2A; H319 Skin Sens. 1; H317 Aquatic Acute 2; H401	>= 1 - < 2.5
linalool	78-70-6 201-134-4	Flam. Liq. 4; H227 Acute Tox. 5; H303 Eye Irrit. 2A; H319 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Acute 3; H402	>= 0.25 - < 1

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2,6,6-trimethyl-Bicyclo[3.1.1]hept-2-ene (= alpha-pinene)

80-56-8
201-291-9

Flam. Liq. 3; H226
Asp. Tox. 1; H304
Skin Irrit. 2; H315
Skin Sens. 1B; H317
Acute Tox. 4; H302
Aquatic Acute 1; H400
Aquatic Chronic 1; H410

#### SECTION 4. First aid measures

#### 4.1 Description of first aid measures

General advice : Move out of dangerous area.

Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later.

Do not leave the victim unattended.

If inhaled : Move to fresh air.

If unconscious, place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician.

If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : Remove contact lenses.

Immediately flush eyes for at least 15 minutes. Get medical

attention.

If swallowed : Keep respiratory tract clear.

Do NOT induce vomiting.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

Take victim immediately to hospital.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : no data available

Risks : May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : no data available

Administrative information:

according to the Globally Harmonized System

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# SECTION 5. Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media

Dry chemical

Alcohol-resistant foam Carbon dioxide (CO2)

Water spray

Unsuitable extinguishing

media

: High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during

firefighting

: Do not allow run-off from fire fighting to enter drains or water

courses.

#### 5.3 Advice for firefighters

Special protective equipment

for firefighters

: Wear self-contained breathing apparatus for firefighting if

necessary.

Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored

separately in closed containments.

Use a water spray to cool fully closed containers.

#### SECTION 6. Accidental release measures

# 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

#### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

Administrative information:

according to the Globally Harmonized System

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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 : Contain spillage, and then collect with non-combustible

absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to

local / national regulations (see section 13).

#### 6.4 Reference to other sections

Not applicable

## SECTION 7. Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.

Do not breathe vapours/dust.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

Take precautionary measures against static discharges.

Provide sufficient air exchange and/or exhaust in work rooms.

Open drum carefully as content may be under pressure.

Dispose of rinse water in accordance with local and national

regulations.

Advice on protection against

fire and explosion

Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge

(which might cause ignition of organic vapours).

Keep away from open flames, hot surfaces and sources of

ignition.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: No smoking.

Keep container tightly closed in a dry and well-ventilated

place.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage.

Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

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according to the Globally Harmonized System



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Further information on : Ambient / 10-30℃ (50-85℉) storage conditions : Preferably full, hermetically sealed

Advice on common storage : no data available

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

#### 7.3 Specific end use(s)

Not applicable

#### SECTION 8. Exposure controls/personal protection

#### 8.1 Control parameters

Components			CAS-No.	Value	Control parameters	Update	Basis
citral			5392-40-5	TWA	5 ppm	2014-03-01	ACGIH
Further : DSEN: Dermal Sensitization Information Not classifiable as a human carcinogen Danger of cutaneous absorption							
2,6,6-trimethyl-Bicyclo[3.1.1]hept- 2-ene (= alpha-pinene)			80-56-8	TWA	20 ppm	2014-03-01	ACGIH
Further : DSEN: Dermal Sensitization Information Not classifiable as a human carcinogen							

#### 8.2 Exposure controls

Exposure assessment: Exposures are dependent on the product being handled, the potential for chemical release, and any resulting airborne concentrations or dermal contact. Since product handling and release scenarios vary, and no two workplaces are exactly alike, it is recommended that the potential for exposure be assessed prior to the prod-uct's use or introduction. Exposure assessments should be performed by an occupational hygienist, industrial hygienist, or other qualified occupational or environmental health professional. An exposure assessment should be conducted to determine the efficacy of any ventilation and the need for additional PPE. The PPE indicated below are recommendations for worst-case scenario exposures. An exposure assessment will identify more applicable measures to be implemented. EN and ANSI standards are mentioned in the following recommendations, consult equivalent local standards when required.

PPE is always the last resort to avoid exposure. In any case technical and organisational measures have to be explored and used prior to the selection of PPE. The PPE selection is for operators trained to work with chemicals according to good industrial hygiene and safety practice. Operators have to be trained on the use of PPE.

#### 8.2.1 Engineering measures

Administrative information:

according to the Globally Harmonized System

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Use engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use the product only with adequate ventilation.

#### 8.2.2 Personal protective equipment

Eye/face protection : Use safety goggles tested according to EN 166/ ANSI Z87.1

or equivalent local standard.

Hand protection : Use gloves when handling substance in open systems.

Inspect gloves prior to use. Train operators for proper use. If only incidental exposure is expected: (work without direct contact to substance) use gloves tested according EN 16523-1/ASTM F739 or equivalent local standard breakthrough times at least 10 minutes, tested for chemicals indicated in chapter 3

of this SDS. Change gloves frequently.

If direct skin contact is expected: use gloves tested according to EN 16523-1/ASTM F739 or equivalent local standard, tested for chemicals indicated in chapter 3 of this SDS.

Permeation time must exceed contact time.

Other skin protection : Wear working clothes covering arms and legs.

Use antistatic clothes when flammable liquids are handled. (EN 1149-5; ASTM F1505/ASTM STP1273 or equivalent local

standard).

The type of protective equipment must be selected according to the concentration and amount of the hazardous substance at the specific workplace. Use apron and sleeve covers or

complete chemical suit if exposure is expected.

Respiratory protection : Respiratory protection should be worn when workplace

exposures exceed exposure limit requirements or guidelines. If there are no applicable exposure limits or guidelines, use an approved respirator where there is a potential for adverse effects, including but not limited to respiratory irritation or odor, or where indicated by the exposure assessment. Selection of air-purifying or positive-pressure supplied-air will depend on the results of the exposure assessment which includes an evaluation of the specific operations and the potential airborne concentrations. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

In case a risk analysis proved the cartridge respirator as

acceptable, use type:

ABEK-P3 (EN 14387) OR Combination Multi-gas/P100 (42CFR84.193; ANSI Z88.7 or equivalent local standard) as a

backup to engineering controls.

In absence of engineering controls, use self-contained

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> breathing apparatus or full face supplied air respirators. Use respirators and components tested and approved under appropriate government standards such as CEN (EU) or

NIOSH 42 CFR 84(US).

: Wear appropriate thermal protective clothing, when Thermal hazards

necessary.

Hygiene measures : Remove contaminated clothing and protective equipment

before entering eating areas.

Do not eat, drink or smoke during work.

Wash hands any time after handling the product.

#### 8.2.3 Environmental exposure controls

: Prevent product from entering drains. General advice

If the product contaminates rivers and lakes or drains inform

respective authorities.

# **SECTION 9. Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

Physical state : liquid Form liquid

Colour : Pale yellow to orange : Orange, Sweet Taste

Odour : not determined
Odour Threshold : Not applicable
Flash point : 55 °C Method: closed cup
Lower explosion limit : not determined
Upper explosion limit : not determined
Flammability : Not applicable
Oxidizing properties : no data available
Auto-ignition temperature : no data available
Decomposition temperature : no data available

PH : not determined рH : not determined Melting point : not determined Boiling point : not determined

Vapour pressure : 1.1712 hPa at 20 ℃ Calculated (99.4 %)
Density : 846.47 kg/m3 at 20 ℃ : Not applicable Bulk density : not determined Water solubility vvaler solubility
Solubility/qualitative
Partition coefficient: n-: insoluble : Not applicable

octanol/water

Viscosity, kinematic Relative vapour density : no data available : no data available Evaporation rate : no data available

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according to the Globally Harmonized System

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# SECTION 10. Stability and reactivity

#### 10.1 Reactivity

none

#### 10.2 Chemical stability

The product is chemically stable.

# 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed. Vapours

may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : no data available

10.6 Hazardous decomposition products

Hazardous decomposition

: no data available

products

Thermal decomposition : no data available

#### SECTION 11. Toxicological information

#### Information on toxicological effects

**Acute toxicity** 

**Acute oral toxicity** : No data is available on the product itself.

Acute oral toxicity

(R)-p-mentha-1,8-diene : LD50: 5,600 mg/kg Species: Mouse

7-methyl-3-methylene-1,6-octadiene : LD50: > 5,000 mg/kg Species: Rat

(= myrcene)

citral : LD50: 4,960 mg/kg Species: Rat

linalool : LD50: 2,790 mg/kg Species: Rat

ene (= alpha-pinene)

**Acute inhalation toxicity** : No data is available on the product itself.

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according to the Globally Harmonized System

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Acute dermal toxicity : No data is available on the product itself.

Acute dermal toxicity

: LD50: > 5,000 mg/kg (R)-p-mentha-1,8-diene Species: Rabbit

7-methyl-3-methylene-1,6-octadiene : LD50: > 5,000 mg/kgSpecies: Rabbit

(= myrcene)

citral : LD50: 2,250 mg/kg Species: Rabbit

of administration)

**Acute toxicity (other routes**: No data is available on the product itself.

Skin corrosion/irritation

Skin irritation : May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Eye irritation : Vapours may cause irritation to the eyes, respiratory system

and the skin.

Respiratory or skin sensitisation

Sensitisation : No data is available on the product itself.

Germ cell mutagenicity

Germ cell mutagenicity : No data is available on the product itself.

Carcinogenicity

Carcinogenicity : No data is available on the product itself.

Reproductive toxicity

Not classified based on available information.

Target Organ Systemic Toxicant - Single exposure

Target Organ Systemic : No data is available on the product itself.

Toxicant - Single exposure

Target Organ Systemic Toxicant - Repeated exposure

Target Organ Systemic : No data is available on the product itself.

Toxicant - Repeated

exposure

Administrative information:

Report Information: SDS\_IN/EN/GHS\_SDS\_UN\_CNTRY/30 Sales & Distribution Information: MU02/FL/XX10/01

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**Aspiration hazard** 

Aspiration toxicity : No data is available on the product itself.

**Phototoxicity** 

Phototoxicity : No data is available on the product itself.

**Further information** : Solvents may degrease the skin.

# SECTION 12. Ecological information

#### **Ecotoxicity**

## **Components:**

## 7-methyl-3-methyleneocta-1,6-diene:

M-Factor (Acute aquatic :

toxicity)

pin-2(3)-ene:

M-Factor (Acute aquatic

toxicity)

M-Factor (Chronic aquatic : 1

toxicity)

#### Persistence and degradability

no data available

## **Bioaccumulative potential**

no data available

#### Mobility in soil

no data available

#### Other adverse effects

#### **Product:**

Additional ecological

information

: An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Very toxic to aquatic life.

Harmful to aquatic life with long lasting effects.

Administrative information:

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#### **SECTION 13. Disposal considerations**

#### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty drum.

Dispose of in accordance with local regulations.

## SECTION 14. Transport information

#### 14.1 UN number

ADR : UN 1197 IMDG : UN 1197 IATA : UN 1197

14.2 UN proper shipping name

ADR : EXTRACTS, LIQUID IMDG : EXTRACTS, LIQUID

(Methyl isopropenyl cyclohexene, 7-Methyl-3-methyleneocta-

1,6-diene)

IATA : Extracts, liquid

## 14.3 Transport hazard class(es)

 ADR
 : 3

 IMDG
 : 3

 IATA
 : 3

# 14.4 Packing group

#### 14.5 Environmental hazards

Administrative information:

according to the Globally Harmonized System

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**ADR** 

Environmentally hazardous : yes

MDG

Marine pollutant : yes

#### 14.6 Special precautions for user

ADR

Tunnel restriction code : (D/E)

**IMDG** 

IMDG Code Segregation : None

Group

#### 14.7 Transport in bulk according to IMO instruments

Not applicable for product as supplied.

# SECTION 15. Regulatory information

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

no additional relevant information

#### SECTION 16. Other information

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

H226	Flammable liquid and vapour.
H227	Combustible liquid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
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.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

#### Full list of Emergency response numbers worldwide.

	Country	Phone nr		Country	Phone nr
Europe	All Europe	+44 1235 239670	APAC	All East/South East Asia	+65 3158 1074

Administrative information:

according to the Globally Harmonized System

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	France	+33 1 72 11 00 03		Sri Lanka	+65 3158 1195
	Germany	+49 89 220 61012		Taiwan	+886 2 8793 3212
	Spain	+34 91 114 2520		Japan	0120 015 230
	Italy	800 699 792		Indonesia	007 803 011 0293
	Netherlands	+31 10 713 8195		Malaysia	+60 3 6207 4347
	Turkey	0800 621 2139 +44 1235 239670		Thailand	001 800 120 666 751
	Norway	+47 2103 4452		India	+65 3158 1198 000 800 100 7479
	Greece	+30 21 1198 3182		Pakistan	+65 3158 1329
	Portugal	+351 30880 4750		Bangladesh	+65 3158 1200
	Denmark	+45 8988 2286		Philippines	+63 2 8231 2149
	Sweden	+46 8 566 42573		Vietnam	+84 28 4458 2388
	Poland	+48 22 307 3690		Korea	+65 3158 1285
	Czech replublic	+420 228 882 830		South Korea	+82 2 3479 8401
	Finland	+358 9 7479 0199		Australia	+61 2 8014 4558
	All Middle East/Africa	+44 1235 239671		New Zealand	+64 9 929 1483
Middle East/Africa	Bahrain and Middle East	+44 1235 239671		China	+86 532 8388 9090
	Africa/South Africa	+27 21 300 2732		Mexico	+52 55 5004 8763
	USA and Canada	+1 866 928 0789		Brazil	+55 11 3197 5891
NOAM	USA and Canada	+1 215 207 0061	LATAM	Chile	+56 2 2582 9336
	USA and Canada	+1 202 464 2554		Colombia	+57 1 508 7337
Global	Global	+44 1865 407333		Argentina	+54 11 5984 3690

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.

Information displayed in section 3 (Composition/information on ingredients) is additional information to understand the hazards of the product and ensure safe handling, storage and transportation. This information, including CAS numbers, is not meant to be used for registration, notification or any other purposes. Any additional information and documentation needed may be provided by Givaudan.

Administrative information:

Report Information: SDS\_IN/EN/GHS\_SDS\_UN\_CNTRY/30 Sales & Distribution Information: MU02/FL/XX10/01

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