

Taste Magic Mango Sweet Flv

Version 9.2

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

1.1 Product identifier

Sales No. : PM-ECOM-018
Taste Magic Mango Sweet Flv

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 Akruiti 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 4 : H227: Combustible liquid.
Short-term (acute) aquatic hazard, Category 3 : H402: Harmful to aquatic life.

2.2 Label elements

Labelling (Globally Harmonized System)

Signal word : Warning
Hazard statements : H227 : Combustible liquid.
H402 : Harmful to aquatic life.

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Precautionary statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
Response:
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage:
P403 Store in a well-ventilated place.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

no data available

SECTION 3. Composition/information on ingredients

Chemical name	CAS-No. EC-No.	Classification (Globally Harmonized System)	Concentration [%]
3-hydroxy-2-ethyl-4H-pyran-4-one (=ethyl maltol)	4940-11-8 225-582-5	Acute Tox. 4; H302 Aquatic Acute 2; H401	>= 1 - < 2.5
diphenyl ether	101-84-8 202-981-2	Eye Irrit. 2A; H319 Skin Irrit. 3; H316 Acute Tox. 5; H303 Aquatic Acute 1; H400 Aquatic Chronic 3; H412	>= 0.25 - < 1
(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	>= 0.1 - < 0.25
2-propenyl 3-cyclohexylpropanoate (= allyl 3-cyclohexyl propionate)	2705-87-5 220-292-5	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	>= 0.1 - < 0.25

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2-propenyl hexanoate (= Allyl hexanoate)	123-68-2 204-642-4	Acute Tox. 3; H311 Acute Tox. 3; H331 Acute Tox. 3; H301 Aquatic Acute 1; H400 Aquatic Chronic 3; H412 Flam. Liq. 4; H227	>= 0.1 - < 0.25
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SECTION 4. First aid measures

4.1 Description of first aid measures

- General advice : Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : 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 give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : no data available
Risks : no data available

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : no data available

SECTION 5. Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Dry chemical
Alcohol-resistant foam
Carbon dioxide (CO₂)
Water spray

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Unsuitable extinguishing media : no data available

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 : no data available

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains. 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). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Not applicable

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SECTION 7. Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Avoid formation of aerosol.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
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.
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 in a 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.
- Further information on storage conditions : Ambient / 10-30°C (50-85°F)
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
diphenyl ether	101-84-8	TWA	1 ppm	2013-03-01	ACGIH
		STEL	2 ppm	2013-03-01	ACGIH
		TWA	1 ppm 7 mg/m ³	2013-10-08	NIOSH REL
		TWA	1 ppm	2011-07-01	OSHA Z-1

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			7 mg/m3		
		TWA	1 ppm	2007-01-01	ACGIH
Further information	:	Eye & Upper Respiratory Tract irritation Nausea			
		PEL	1 ppm 7 mg/m3	2014-11-26	CAL PEL
		STEL	2 ppm	2007-01-01	ACGIH
Further information	:	Eye & Upper Respiratory Tract irritation Nausea			
		TWA	1 ppm 7 mg/m3	1997-08-04	OSHA Z-1
Further information	:	(b): The value in mg/m3 is approximate.			
		TWA	1 ppm 7 mg/m3	1989-01-19	OSHA P0
		TWA	1 ppm 7 mg/m3	1989-01-19	OSHA P0

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 product'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

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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. 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 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).

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Thermal hazards : Wear appropriate thermal protective clothing, when 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

General advice : Prevent product from entering drains.
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 low-medium viscosity, almost clear
Colour : colorless to yellow
Taste : Floral, Sweet
Odour : not determined
Odour Threshold : Not applicable
Flash point : 93 °C Method: Grabner miniflash closed cup
Lower explosion limit : not determined
Upper explosion limit : not determined
Flammability : Not applicable
Oxidizing properties : no data available
Auto-ignition temperature : not determined
Decomposition temperature : no data available
pH : not determined
Melting point : not determined
Boiling point : not determined
Vapour pressure : 1.2767 hPa at 20 °C Calculated (99.6 %)
Density : 1,038.12 kg/m³ at 20 °C
Bulk density : Not applicable
Water solubility : not determined
Solubility/qualitative : soluble
Partition coefficient: n-octanol/water : Not applicable
Viscosity, kinematic : no data available
Relative vapour density : no data available
Evaporation rate : no data available

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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 products : no data available

Thermal decomposition : no data available

SECTION 11. Toxicological information

Information on toxicological effects

Acute toxicity

Acute oral toxicity : Acute toxicity estimate
Dose: > 5,000 mg/kg
Method: Calculation method

Acute oral toxicity

3-hydroxy-2-ethyl-4H-pyran-4-one
(=ethyl maltol) : LD50: 1,150 mg/kg Species: Rat

diphenyl ether : LD50: 2,450 mg/kg Species: Rat

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

2-propenyl 3-cyclohexylpropanoate
(= allyl 3-cyclohexyl propionate) : LD50: 1,051 mg/kg Species: Rat

2-propenyl hexanoate (= Allyl
hexanoate) : LD50: 218 mg/kg Species: Rat

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Acute inhalation toxicity	: Acute toxicity estimate Exposure time: 4 h Dose: > 40.00 mg/l Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate Dose: > 5,000 mg/kg Method: Calculation method
Acute dermal toxicity diphenyl ether	: LD50: > 7,940 mg/kg Species: Rabbit
(R)-p-mentha-1,8-diene	: LD50: > 5,000 mg/kg Species: Rabbit
2-propenyl 3-cyclohexylpropanoate (= allyl 3-cyclohexyl propionate)	: LD50: 1,600 mg/kg Species: Rabbit
2-propenyl hexanoate (= Allyl hexanoate)	: LD50: 300 mg/kg Species: Rabbit
Acute toxicity (other routes of administration)	: No data is available on the product itself.
Skin corrosion/irritation	
Skin irritation	: No data is available on the product itself.
Serious eye damage/eye irritation	
Eye irritation	: No data is available on the product itself.
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	

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Target Organ Systemic Toxicant - Single exposure : No data is available on the product itself.

Target Organ Systemic Toxicant - Repeated exposure

Target Organ Systemic Toxicant - Repeated exposure : No data is available on the product itself.

Aspiration hazard

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

Phototoxicity

Phototoxicity : No data is available on the product itself.

Further information : no data available

SECTION 12. Ecological information

Ecotoxicity

Components:

diphenyl ether:

M-Factor (Acute aquatic toxicity) : 1

allyl 3-cyclohexylpropionate:

M-Factor (Acute aquatic toxicity) : 1

allyl hexanoate:

M-Factor (Acute aquatic toxicity) : 1

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Other adverse effects

Product:

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Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life.

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

N/A

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

N/A

14.4 Packing group

N/A

14.5 Environmental hazards

N/A

14.6 Special precautions for user

IMDG

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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.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
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
	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		Thailand	001 800 120 666 751

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		+44 1235 239670			
	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 republic	+420 228 882 830		South Korea	+82 2 3479 8401
	Finland	+358 9 7479 0199		Australia	+61 2 8014 4558
Middle East/Africa	All Middle East/Africa	+44 1235 239671	LATAM	New Zealand	+64 9 929 1483
	Bahrain and Middle East	+44 1235 239671		China	+86 532 8388 9090
	Africa/South Africa	+27 21 300 2732		Mexico	+52 55 5004 8763
NOAM	USA and Canada	+1 866 928 0789		Brazil	+55 11 3197 5891
	USA and Canada	+1 215 207 0061		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.

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