according to the Globally Harmonized System

Givaudan

Taste Magic Mixed Fruit Jelly Flavor

Version 3.0 Revision Date 16 DEC 2023 Print Date 16 DEC 2023

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

1.1 Product identifier

Sales No. : PM-ECOM-017

Taste Magic Mixed Fruit Jelly Flavor

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. Serious eye damage/eye irritation, H319: Causes serious eye irritation.

Category 2A

Short-term (acute) aquatic hazard, H402: Harmful to aquatic life.

Category 3

2.2 Label elements

Labelling (Globally Harmonized System)

Administrative information:

according to the Globally Harmonized System

Givaudan

Taste Magic Mixed Fruit Jelly Flavor

Version 3.0 Revision Date 16 DEC 2023 Print Date 16 DEC 2023

Hazard pictograms





Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.

H319 Causes serious eye irritation. H402 Harmful to aquatic life.

Precautionary statements : Prevention:

P210 Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No

smoking

P233 Keep container tightly closed.

P240 Ground and bond container and receiving

equipment.

P241 Use explosion-proof electrical/ ventilating/

lighting equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges. P264+P265 Wash hands thoroughly after handling. Do

not touch eyes.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/

eye protection/ face protection/ hearing

protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off

immediately all contaminated clothing.

Rinse affected areas with water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with

water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsina.

P337 + P317 If eye irritation persists: Get medical help.
P370 + P378 In case of fire: Use dry sand, dry chemical

or alcohol-resistant foam to extinguish.

Store in a well-ventilated place. Keep cool.

Storage:

P403 + P235

Disposal:

P501

osai:

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

2.3 Other hazards

Administrative information:

according to the Globally Harmonized System



Taste Magic Mixed Fruit Jelly Flavor

Version 3.0 Revision Date 16 DEC 2023 Print Date 16 DEC 2023

no data available

SECTION 3. Composition/information on ingredients

Chemical name	CAS-No. EC-No.	Classification (Globally Harmonized System)	Concentration [%]
3-methoxy-4-hydroxy-benzaldehyde (= Vanillin)	121-33-5 204-465-2	Acute Tox. 5; H303 Acute Tox. 5; H313 Eye Irrit. 2A; H319 Aquatic Acute 3; H402	>= 5 - < 10
Ethyl butyrate	105-54-4 203-306-4	Flam. Liq. 3; H226 Eye Irrit. 2A; H319	>= 1 - < 5
ethyl acetate	141-78-6 205-500-4	Flam. Liq. 2; H225 Eye Irrit. 2A; H319 STOT SE 3; H336	>= 1 - < 5
3-methylbutyl butyrate	106-27-4 203-380-8	Flam. Liq. 3; H226 Aquatic Acute 3; H402	>= 1 - < 2.5
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	>= 0.25 - < 1

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.

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.

Administrative information:

according to the Globally Harmonized System

Givaudan

Taste Magic Mixed Fruit Jelly Flavor

Version 3.0 Revision Date 16 DEC 2023 Print Date 16 DEC 2023

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 : Causes serious eye irritation.

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

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

Administrative information:

according to the Globally Harmonized System

Givaudan

Taste Magic Mixed Fruit Jelly Flavor

Version 3.0 Revision Date 16 DEC 2023 Print Date 16 DEC 2023

Personal precautions : Use personal protective equipment.

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.

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 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. Keep away from open flames, hot surfaces and sources of

ianition.

Take necessary action to avoid static electricity discharge

(which might cause ignition of organic vapours).

7.2 Conditions for safe storage, including any incompatibilities

Administrative information:

according to the Globally Harmonized System



Taste Magic Mixed Fruit Jelly Flavor

Version 3.0 Revision Date 16 DEC 2023 Print Date 16 DEC 2023

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.

Further information on storage conditions

: Ambient / 15-30°C (60-85°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		Basis
ethyl acetate	141-78-6	TWA	400 ppm	2013-03-01	ACGIH
		TWA	400 ppm 1,400 mg/m3	2013-10-08	NIOSH REL
		TWA	400 ppm 1,400 mg/m3	1997-08-04	OSHA Z-1
		TWA	400 ppm 1,400 mg/m3	1989-01-19	OSHA P0
		PEL	400 ppm 1,400 mg/m3	2014-11-26	CAL PEL
ethyl acetate	141-78-6	TWA	400 ppm 1,400 mg/m3	2007-06-04	IN OEL

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

Administrative information:

according to the Globally Harmonized System

Givaudan

Taste Magic Mixed Fruit Jelly Flavor

Version 3.0 Revision Date 16 DEC 2023 Print Date 16 DEC 2023

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

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 and faceshield 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).

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

Administrative information:

Report Information: SDS_IN/EN/GHS_SDS_UN_CNTRY/30 Sales & Distribution Information: MU02/FL/XX10/01

Shipping Order Information: 28,865,007/24,423,444

according to the Globally Harmonized System

Givaudan

Taste Magic Mixed Fruit Jelly Flavor

Version 3.0 Revision Date 16 DEC 2023 Print Date 16 DEC 2023

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).

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 medium viscosity, clear-almost clear

Colour : colorless to vellow

Taste : Fruity, fruity citrus, Fruity-banana, fruity yellow-fruit

Odour : not determined Odour Threshold : Not applicable

Flash point : 42 °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 : not determined рH **Boiling point** : Not applicable

Administrative information:

according to the Globally Harmonized System

Givaudan

Taste Magic Mixed Fruit Jelly Flavor

Version 3.0 Revision Date 16 DEC 2023 Print Date 16 DEC 2023

Vapour pressure : 3.3435 hPa at 20 ℃ Calculated (93.7 %)

Density : 1,042.12 kg/m3 at 20 ℃

Bulk density
Water solubility
Solubility/qualitative : Not applicable : not determined

: soluble Partition coefficient: n-: Not applicable

octanol/water

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

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

: no data available Hazardous decomposition

products

Thermal decomposition : no data available

SECTION 11. Toxicological information

Information on toxicological effects

Acute toxicity

: Acute toxicity estimate Acute oral toxicity

Dose: > 5,000 mg/kg Method: Calculation method

Acute oral toxicity

Administrative information:

according to the Globally Harmonized System

Givaudan

Taste Magic Mixed Fruit Jelly Flavor

Revision Date 16 DEC 2023 Version 3.0 Print Date 16 DEC 2023

3-methoxy-4-hydroxy-benzaldehyde : LD50: 3,300 mg/kg

(= Vanillin)

Ethyl butyrate : LD50: 13,050 mg/kg Species: Rat

ethyl acetate : LD50: 5,620 mg/kg Species: Rat

3-methylbutyl butyrate : LD50: > 5,000 mg/kg Species: Rat

2-propenyl hexanoate (= Allyl

hexanoate)

: LD50: 218 mg/kg

Species: Rat

Species: Rat

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

3-methoxy-4-hydroxy-benzaldehyde : LD50: 2,600 mg/kg

(= Vanillin)

Species: Rat

ethyl acetate : LD50: > 18,000 mg/kg

Species: Rabbit

3-methylbutyl butyrate : LD50: > 5,000 mg/kg Species: Rabbit

2-propenyl hexanoate (= Allyl

hexanoate)

: LD50: 300 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 in susceptible persons.

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.

Administrative information:

according to the Globally Harmonized System

Givaudan

Taste Magic Mixed Fruit Jelly Flavor

Version 3.0 Revision Date 16 DEC 2023 Print Date 16 DEC 2023

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

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:

allyl hexanoate:

M-Factor (Acute aquatic : 1

toxicity)

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Administrative information:

Report Information: SDS_IN/EN/GHS_SDS_UN_CNTRY/30 Sales & Distribution Information: MU02/FL/XX10/01

Shipping Order Information: 28,865,007/24,423,444

according to the Globally Harmonized System

Givaudan

Taste Magic Mixed Fruit Jelly Flavor

Version 3.0 Revision Date 16 DEC 2023 Print Date 16 DEC 2023

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.

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

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

14.2 UN proper shipping name

ADR : EXTRACTS, LIQUID IMDG : EXTRACTS, LIQUID

:

IATA : Extracts, liquid

14.3 Transport hazard class(es)

ADR : 3

Administrative information:

Report Information: SDS_IN/EN/GHS_SDS_UN_CNTRY/30 Sales & Distribution Information: MU02/FL/XX10/01

Shipping Order Information: 28,865,007/24,423,444

according to the Globally Harmonized System

Givaudan

Taste Magic Mixed Fruit Jelly Flavor

Version 3.0 Revision Date 16 DEC 2023 Print Date 16 DEC 2023

IMDG : 3 IATA : 3

14.4 Packing group

14.5 Environmental hazards

ADR

Environmentally hazardous : no

IMDG

Marine pollutant : no

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.

Administrative information:

according to the Globally Harmonized System

Givaudan

Taste Magic Mixed Fruit Jelly Flavor

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Version 3.0	Revision Date 16 DEC 2023	Print Date 16 DEC 2023		
H225	Highly flammable liquid and vapour.			
H226	Flammable liquid and vapour.			
H227	Combustible liquid.			
H301	Toxic if swallowed.			
H303	May be harmful if swallowed.			
H311	Toxic in contact with skin.			
H313	May be harmful in contact with skin.			
H319	Causes serious eye irritation.			
H331	Toxic if inhaled.			
H336	May cause drowsiness or dizziness.			
H400	Very toxic to aquatic life.			
H402	Harmful to aquatic life.			
H412	Harmful to aquatic life with long lasting effects.			

Full list of Emergency response numbers worldwide.

	Country	Phone nr		Country	Phone nr
	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
Europe	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
Middle East/Africa	All Middle East/Africa	+44 1235 239671		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	LATAM	Brazil	+55 11 3197 5891
	USA and	+1 215 207 0061		Chile	+56 2 2582 9336

according to the Globally Harmonized System

Givaudan

Taste Magic Mixed Fruit Jelly Flavor

Version 3.0		Revision Date 16 DEC 2023			Print Date 16 DEC 2023	
	Canada	1				
	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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