according to the Globally Harmonized System

## Givaudan

## Taste Magic Rich Ghee

Version 9.0 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-004

Taste Magic Rich Ghee

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)

Skin corrosion/irritation, Sub-category 1B H314: Causes severe skin burns and eye damage.

Serious eye damage/eye irritation, H318: Causes serious eye damage.

Category 1

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

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Hazard pictograms



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.

H402 Harmful to aquatic life.

Precautionary statements : Prevention:

P264 Wash skin thoroughly after handling. P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/

eye protection/ face protection/ hearing

protection.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do

NOT induce vomiting.

P302 + P361 + P354 IF ON SKIN: Take off immediately all

contaminated clothing. Immediately rinse

with water for several minutes.

P304 + P340 + P316 IF INHALED: Remove person to fresh

air and keep comfortable for breathing. Get

emergency medical help immediately.

P305 + P354 + P338 + P317 IF IN EYES: Immediately rinse

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

Continue rinsing. Get medical help.

P363 Wash contaminated clothing before reuse.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an

approved waste disposal plant.

Hazardous components which must be listed on the label:

butyric acid
 hexanoic acid
 octanoic acid
 acetic acid
 107-92-6
 142-62-1
 124-07-2
 acetic acid
 64-19-7

### 2.3 Other hazards

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: 28,864,862/24,423,424

according to the Globally Harmonized System



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### SECTION 3. Composition/information on ingredients

Chemical name	CAS-No. EC-No.	Classification (Globally Harmonized System)	Concentration [%]
butyric acid	107-92-6 203-532-3	Flam. Liq. 4; H227 Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 3; H402	>= 5 - < 10
hexanoic acid	142-62-1 205-550-7	Acute Tox. 5; H303 Skin Corr. 1C; H314 Eye Dam. 1; H318 Aquatic Acute 3; H402	>= 5 - < 10
octanoic acid	124-07-2 204-677-5	Skin Corr. 1C; H314 Eye Dam. 1; H318 Aquatic Acute 3; H402 Aquatic Chronic 3; H412	>= 3 - < 5
acetic acid	64-19-7 200-580-7	Flam. Liq. 3; H226 Acute Tox. 5; H303 Acute Tox. 4; H312 Skin Corr. 1A; H314 Eye Dam. 1; H318	>= 1 - < 3
decanoic acid	334-48-5 206-376-4	Eye Irrit. 2A; H319 Aquatic Acute 3; H402 Aquatic Chronic 3; H412 Skin Irrit. 2; H315	>= 1 - < 2.5
Dodecanoic acid	143-07-7 205-582-1	Eye Dam. 1; H318 Aquatic Acute 2; H401	>= 1 - < 2.5
6-Heptyltetrahydro-2H-pyran-2-one	713-95-1 211-932-4	Skin Irrit. 3; H316	>= 1 - < 5
6-Pentyltetrahydro-2H-pyran-2-one	705-86-2 211-889-1	Flam. Liq. 4; H227 Aquatic Acute 2; H401	>= 1 - < 2.5
3,4-Hexanedione	4437-51-8 224-651-7	Flam. Liq. 3; H226 Acute Tox. 3; H331 Skin Irrit. 2; H315 Eye Irrit. 2A; H319	>= 0.1 - < 1

### **SECTION 4. First aid measures**

### 4.1 Description of first aid measures

General advice : Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

Administrative information:

according to the Globally Harmonized System

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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 : Immediate medical treatment is necessary as untreated

wounds from corrosion of the skin heal slowly and with

difficulty.

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 : Causes serious eye damage.

Causes severe burns.

### 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.

Administrative information:

according to the Globally Harmonized System

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### 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.

#### SECTION 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

### 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 : Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

Not applicable

### SECTION 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : 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.

To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national

regulations.

Administrative information:

according to the Globally Harmonized System



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Advice on protection against

fire and explosion

: Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: 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.

CAS-No Value Control parameters Undate

Further information on storage conditions

: Ambient / 10-30℃ (50-85℉) 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

Components	CAS-NO.	value	Control parameters	Update	Basis
acetic acid	64-19-7	TWA	10 ppm	2021-01-01	ACGIH
		STEL	15 ppm	2021-01-01	ACGIH
		TWA	10 ppm 25 mg/m3	2013-10-08	NIOSH REL
		ST	15 ppm 37 mg/m3	2013-10-08	NIOSH REL
		TWA	10 ppm 25 mg/m3	1997-08-04	OSHA Z-1
		TWA	10 ppm 25 mg/m3	1989-01-19	OSHA P0
		PEL	10 ppm 25 mg/m3	2014-11-26	CAL PEL
		С	40 ppm	2014-11-26	CAL PEL

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		STEL	15 ppm 37 mg/m3	2014-11-26	CAL PEL
acetic acid	64-19-7	STEL	15 ppm 37 mg/m3	2007-06-04	IN OEL
		TWA	10 ppm 25 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 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.

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> 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).

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.

Administrative information:

according to the Globally Harmonized System

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### SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid Form : liquid

Colour yellow to Greenish yellow

Taste : Cheese, acidic Odour : not determined

Odour : not determined
Odour Threshold : Not applicable
Flash point : > 100 °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 : not determined Decomposition temperature : no data available

inot determined
inot determined

Vapour pressure

Density

Bulk density

Water solubility

Solubility/qualitative
Partition coefficient: nootanol/water

inot determined

1.1242 hPa at 20 ℃ Calculated (23.5 %)

911.35 kg/m3 at 20 ℃

Not applicable
inot determined
is dispersible
inot determined
is not determined
in not determined
is no

: no data available Viscosity, kinematic 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.

10.4 Conditions to avoid

Conditions to avoid : no data available

10.5 Incompatible materials

Materials to avoid : no data available

Administrative information:

according to the Globally Harmonized System

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### 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 : Acute toxicity estimate

Dose: > 5,000 mg/kg

Method: Calculation method

Acute oral toxicity

butyric acid : LD50: 1,630 mg/kg Species: Rat

Dodecanoic acid : LD50: 12,000 mg/kg Species: Rat

Acute inhalation toxicity : Acute toxicity estimate

Exposure time: 4 h

Dose: > 40.00 mg/l

Method: Calculation method

Acute inhalation toxicity

3,4-Hexanedione : LC50: 6 mg/l

Exposure time: 4 h Species: Rat

Acute dermal toxicity : Acute toxicity estimate

Dose: > 5,000 mg/kg

Method: Calculation method

Acute dermal toxicity

acetic acid : LD50: 1,060 mg/kg Species: Rabbit

decanoic acid : LD50: > 5,000 mg/kg Species: Rabbit

6-Pentyltetrahydro-2H-pyran-2-one : LD50: > 5,000 mg/kg Species: Rabbit

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of administration)

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

Skin corrosion/irritation

Skin irritation : Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation

Eye irritation : May cause irreversible eye damage.

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

Toxicant - Single exposure

: No data is available on the product itself.

Target Organ Systemic Toxicant - Repeated exposure

Target Organ Systemic

Toxicant - Repeated

: No data is available on the product itself.

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** : no data available

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## **SECTION 12. Ecological information**

### **Ecotoxicity**

no data available

### 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.

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.

Dispose of in accordance with local regulations.

## SECTION 14. Transport information

### 14.1 UN number

ADR : UN 1760 IMDG : UN 1760 IATA : UN 1760

### 14.2 UN proper shipping name

Administrative information:

according to the Globally Harmonized System

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ADR : CORROSIVE LIQUID, N.O.S.

(Butyric acid, Hexanoic acid)

**IMDG** : CORROSIVE LIQUID, N.O.S.

(Butyric acid, Hexanoic acid)

IATA : Corrosive liquid, n.o.s.

(Butyric acid, Hexanoic acid)

14.3 Transport hazard class(es)

 ADR
 : 8

 IMDG
 : 8

 IATA
 : 8

14.4 Packing group

ADR : ||||
| IMDG : ||||
| IATA : ||||

14.5 Environmental hazards

**ADR** 

Environmentally hazardous : no

**IMDG** 

Marine pollutant : no

14.6 Special precautions for user

**ADR** 

Tunnel restriction code : (E)

**IMDG** 

IMDG Code Segregation : 1. Acids

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

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Table Magie Moi	Clico	
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H226	Flammable liquid and vapour.	
H227	Combustible liquid.	
H302	Harmful if swallowed.	
H303	May be harmful if swallowed.	
H312	Harmful in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H316	Causes mild skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H331	Toxic if inhaled.	
H401	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		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 +44 1235 239670	APAC	Thailand	001 800 120 666 751
Europe	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

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## Givaudan

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	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.

Administrative information: